Service Manual

DVCPRO
DIGITAL VIDEO CASSETTE

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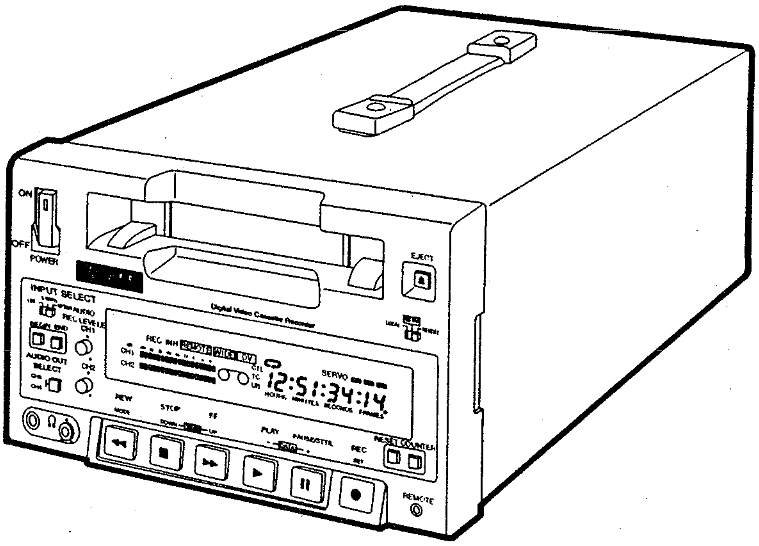
Digital Video Cassette Recorder
AJ-D230HP

Digital Video Interface Board
AJ-YAD230P



ON
OFF
POWER
EJECT
INPUT SELECT
AUDIO
REC LEVEL
CH1
CH2
AUDIO OUT
SELECT
REW
STOP
FF
PLAY
REC
SERVO
12:51:34:14
RESET COUNTER
REMOTE
Digital Video Cassette Recorder

Please refer to the Service Manual AJ-D230P (Vol. 1 & Vol. 2) for "Disassembly Procedure", "Mechanical Adjustment Procedure" and "Block, Schematic & Circuit Board Diagrams".

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

INTRODUCTION

This Service Manual contains technical information which will allow service personnels to understand and service the PANASONIC DVCPRO Digital Video Cassette Recoder AJ-D230HP and Digital Video Interface Board AJ-YAD230P.

If the part or circuit is changed or modified, this information will be followed by supplementary Service Manual to be filed with original manual.

NOTE

Please refer to the Service Manual AJ-D230P as following items.
(Vol.1 VSD9703MG04A, Vol. 2 VSD9703MG04B)

Item	AJ-D230 Service Manual
Flash Memory Version-up	Vol. 1 Page 2-1
Disassembly Method	Vol. 1 Page 2-14
Mechanism Adjustment	Vol. 2 Page 6-3
Mechanical Parts Replacement	Vol. 2 Page 6-46
Schematic Diagram	Vol. 1 Section 3 Note: The following items are refer to this Service Manual. • AV-SYSCON • SERVO • VIDEO I/O • DIGITAL CORE • MOTHER
Circuit Board Diagram	Vol. 1 Section 4 Note: As same as above note.

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Section 2. Service Information
Section 3. Schematic Diagrams
Section 4. Circuit Board Diagrams
Section 5. Electrical Adjustment
Section 6. Digital Interface Board AJ-YAD230P
Section 7. Exploded Views & Replacement Parts Lists

SPECIFICATIONS

GENERAL

Power supply:	120 V AC, 50Hz-60Hz
Power consumption:	49W

Ambient operating temperature:	41°F to 104°F (5°C to 40°C)
Ambient operating humidity:	35% to 80%
Weight:	15.4 lbs. (7.0 kg)
Dimensions (W × H × D):	8-7/16″ × 5-1/4″ × 15-7/16″ (214 × 132 × 391 mm)
Recording format:	DVCPRO
Recording tracks:	Digital video
Time code:	Recorded in sub-code area
Digital audio:	2 channels
Cue track:	1 track
Control (CTL):	1 track
Tape speed:	33.820 mm/sec.
Recording time:	126 minutes (using AJ-P126LP tape) 66 minutes (using AJ-P66MP tape)
Tape used:	1/4″ thin magnetic layer metal tape
FF/REW time:	Within 3.5 min. (using AJ-P126LP tape)

VIDEO

(Digital video)	Sampling frequency:	13.5 MHz for Y; 3.375 MHz for P_B/P_R
	Quantizing:	8 bits
	Error correction:	Reed-Solomon product code
(Line IN/line OUT)	Video band:	30 Hz to 4.5 MHz (–1±1 dB) for Y
	Y/C delay:	Less than 20ns
	K factor:	Less than 3%
(Input connectors)	Line input:	BNC × 1; 1.0 V_{P-P}, 75 Ω
	SYNC input:	BNC × 1; 1.0 V_{P-P}, 75 Ω
	S-VIDEO:	4P × 1; Y: 1.0 V_{P-P}, 75 Ω C: 0.286 V_{P-P}, 75 Ω (burst level)
(Output connectors)	Line output:	BNC × 1; 1.0 V_{P-P}, 75 Ω
	Monitor output:	BNC × 1; 1.0 V_{P-P}, 75 Ω
	S-VIDEO:	4P × 1; Y: 1.0 V_{P-P}, 75 Ω C: 0.286 V_{P-P}, 75 Ω (burst level)

AUDIO

(Digital audio)	Sampling frequency:	48 kHz
	Quantizing:	16 bits
	Frequency response:	20 Hz to 20 kHz $\left(^{+1.0\ \text{dB}}_{-2.0\ \text{dB}}\right)$
	Dynamic range:	More than 85 dB (1 kHz, emphasis OFF, "A" weighted)
	Distortion:	Less than 0.1% (1 kHz, emphasis OFF, reference level)
	Crosstalk:	Less than –80 dB (1 kHz, between 2 channels)
(Input connectors)	Line input (CH1/CH2):	PHONO × 2; –8 dBV, 47 kΩ
(Output connectors)	Line output (CH1/CH2):	PHONO × 2; –8 dBV, 1 kΩ
	Headphones output:	M3 stereo, variable level (max. –32 dBV or more), 8Ω

OTHER INPUT/OUTPUT CONNECTORS

RS-232C:	D-SUB, 25P, RS-232C interface
Wired remote control:	M2 jack (simple remote control)

Display Tube

Counter:	8 digits (CTL/TC/UB selectable, remaining tape)
Audio level meter:	18 steps
Other:	REC/REC INH, REMOTE, WIDE, "Consumer-use cassette loaded" display, REPEAT, SERVO, Channel condition, "Cassette loaded" display

IMPORTANT
"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER TO SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

CAUTION:
Do not install or place this unit in a bookcase, built in cabinet or in another confined space in order to keep well ventilated condition. Ensure that curtains and any other materials do not obstruct the ventilation condition to prevent risk of electric shock or fire hazard due to overheating.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

▭ is the safety information.

- ■ Do not insert fingers or any objects into the video cassette holder.
- ■ Avoid operating or leaving the unit near strong magnetic fields. Be especially careful of large audio speakers.
- ■ Avoid operating or storing the unit in an excessively hot, cold, or damp environment as this may result in damage both to the recorder and to the tape.
- ■ Do not spray any cleaner or wax directly on the unit.
- ■ If the unit is not going to be used for a length of time, protect it from dirt and dust.
- ■ Do not leave a cassette in the recorder when not in use.
- ■ Do not block the ventilation slots of the unit.
- ■ Use this unit horizontally and do not place anything on the top panel.
- ■ Cassette tape can be used only for one-side, one direction recording. Two-way or two-track recordings cannot be made.
- ■ Cassette tape can be used for either Color or Black & White recording.
- ■ Do not attempt to disassemble the recorder. There are no user serviceable parts inside.
- ■ If any liquid spills inside the recorder, have the recorder examined for possible damage.
- ■ Refer any needed servicing to authorized service personnel.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 MΩ and 5.2MΩ.
   When the exposed metal dose not have a return path to the chassis, the reading must be ∞.

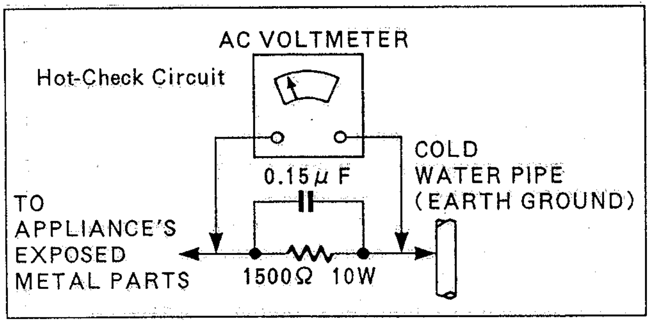

Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-Radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

SECTION 1

OPERATING INSTRUCTIONS

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Introduction

The model AJ-D230H is a digital VTR which uses 1/4-inch wide tapes.
It features digital compression technology which significantly reduces the deterioration in the picture and sound quality during dubbing compared with conventional analog systems.
With its compact and lightweight design, the unit can be carried around with the greatest of ease, and it is also easy to install it in a rack.
An interactive format is used to perform the unit's settings while monitoring the menus on the screen of the TV monitor.
The model AJ-D230H is provided with an RS-232C connector as a standard feature to enable the unit to be operated by remote control from a computer.

Features

Compact size and light weight
The unit measures 8-7/16″ wide, 5-1/4″ high and 15-7/16″ deep, and it weighs only 15.4 lbs.
Grips are incorporated to make the unit easy to carry.

2-channel digital audio with high sound quality

Computer control
The unit can be operated by remote control from a computer by connecting the RS-232C cable between the unit and the computer.

Up to 126 minutes of recording
Either news-gathering cassette tapes (max. 66 minutes) or general-purpose cassette tapes (max. 126 minutes) can be used. In both cases, the tape is one-fourth of an inch wide to achieve a compact design.

Compatibility with consumer-use equipment
Consumer-use cassette tapes which have been shot using a consumer-use digital camera can be played back on this unit using the cassette adaptor (AJ-CS750P: option).
Please note that the LP mode is not supported.

Time code
This unit incorporates a time code generator (TCG)/time code reader (TCR).

Repeat playback
Repeat playback can be performed continuously or only once for any section of the tape.

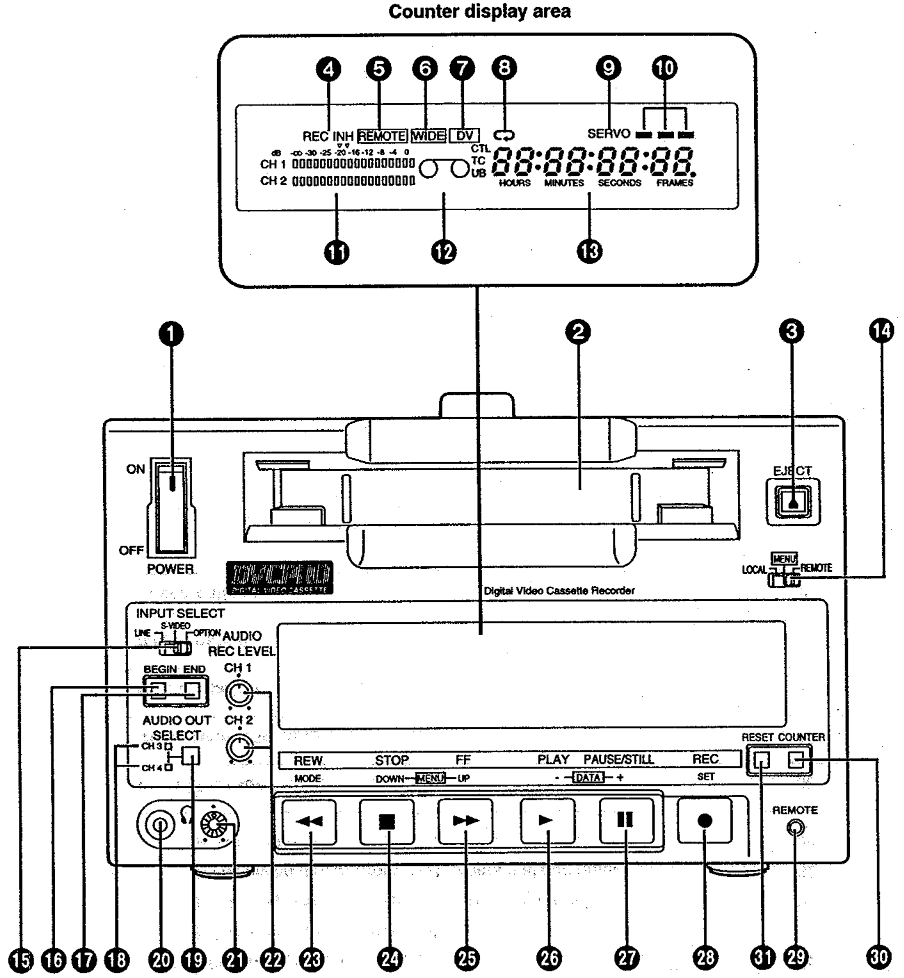
Menu-driven set-up
An interactive system is used to perform the unit's settings while monitoring the menus appearing on the screen of the TV monitor.

Remote control
Connection of the AG-A11 remote controller (option) enables the unit to be operated at a distance of about 5 meters.

Digital interface
By installing the digital interface board (option) and connecting the unit using the DVCPRO terminal (complying with the IEEE1394 standard), it is possible to dub tapes with hardly any resulting deterioration in the picture and sound quality at all.

Controls and Their Functions

Front Panel


Counter display area
④
⑤
⑥
⑦
⑧
⑨
⑩
REC INH
REMOTE
WIDE
DV
SERVO
dB -∞ -30 -25 -20 -16 -12 -8 -4 0
CH 1
CH 2
CTL
TC
UB
88:88:88:88
HOURS MINUTES SECONDS FRAMES
⑪
⑫
⑬
①
②
③
⑭
ON
OFF
POWER
EJECT
LOCAL
MENU
REMOTE
Digital Video Cassette Recorder
INPUT SELECT
LINE
S-VIDEO
OPTION
AUDIO
REC LEVEL
BEGIN END
CH 1
CH 2
AUDIO OUT SELECT
CH 3
CH 4
RESET COUNTER
REW
STOP
FF
PLAY
PAUSE/STILL
REC
MODE
DOWN
MENU
UP
- DATA +
SET
REMOTE
⑮
⑯
⑰
⑱
⑳
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Front panel

① POWER switch
When the ON side is pressed, the power is turned on, and the counter display area lights.

② Cassette slot
A news gathering cassette, general-purpose cassette or consumer-use cassette with an adaptor is loaded through this slot. Consumer-use cassettes can be played back only.

③ EJECT button
When this is pressed, the tape is unloaded, and several seconds later the cassette is automatically ejected.
When the counter display area shows the CTL display, the display is now reset.

④ REC/REC INH lamp

REC: This lights during recording.

REC INH: This lights when the cassette has been set to the accidental erasure prevention status.
It also lights when REC INHIBIT has been set to ON on the setup menu.
In this status, recording is not possible.

⑤ REMOTE lamp
This lights when the LOCAL/MENU/REMOTE switch has been set to the REMOTE position.

⑥ WIDE lamp
This lights in the 16:9 wide screen mode.

⑦ "Consumer-use cassette loaded" display lamp
This lights when a cassette recorded on a consumer-use DV unit has been loaded.

⑧ REPEAT lamp
This lights during repeat playback.

⑨ SERVO lamp
This lights when the drum servo and capstan servo are locked.

⑩ Channel condition lamps
One of these lamps lights (green → blue → red) in accordance with the status of the error rates.

Green: This lights when the error rates for the video and audio playback signals are both satisfactory.

Blue: This lights when the error rate for either the video or audio playback signals has deteriorated. The playback picture is still normal even while this lamp is lighted.

Red: This lights when either the video or audio playback signals are corrected or interpolated.

⑪ Level meter
This displays the audio signal levels.
The input audio signal levels are displayed during recording and E-E selection; the output audio signal levels are displayed during playback.

⑫ "Cassette loaded" display lamp
This lights when a cassette has been loaded into the unit.

⑬ Counter display area
The TC and CTL counts, on-screen information and messages appear in this area.

⑭ LOCAL/MENU/REMOTE switch
This is operated when menu settings are to be performed or when the unit is to be controlled from a remote location.

LOCAL: For controlling the unit using the controls on the unit's operation panel.
MENU: For setting the on-screen menu.
REMOTE: For controlling the unit with an RS-232C or other external control unit.

⑮ INPUT SELECT switch
This is used to select the input signals.

LINE: For recording signals which have been supplied to the video signal input connector.
S-VIDEO: For recording signals which have been supplied to the S-VIDEO input connector.
OPTION: For supplying video and audio signals from an optional board and recording them.

⑯ BEGIN button
This sets the repeat playback start point, and it displays the currently entered start point.

⑰ END button
This sets the repeat playback end point, and it displays the currently entered end point.

⑱ CH3/CH4 lamp
This lights during DV format playback when the audio signals have been set in CH3 and CH4.

⑲ AUDIO OUT SELECT button
This selects the audio signals which are to be output.

⑳ Headphone jack
When stereo headphones are connected here, the recording or playback sound can be monitored through the headphones.

㉑ Volume control
This is for adjusting the headphones volume.

㉒ Volume recording level control
This is for adjusting the PCM audio signal CH1/CH2 recording level.

㉓ REW button
When this is pressed, the tape is rewound, and when "TAPE" is set for the "S/F/R EE SEL" set-up menu item, the playback picture can be monitored.

㉔ STOP button
When this is pressed, the tape stops traveling, and when "TAPE" is set for the "S/F/R EE SEL" set-up menu item, the still picture can be monitored. Even in the stop mode, the drum continues to rotate with the tape kept in close contact with the drum. After the unit has been kept in the stop mode for a specific period of time, it is automatically set to the standby off mode in order to protect the tape. It is set to the stop mode immediately after a cassette has been loaded into the unit.

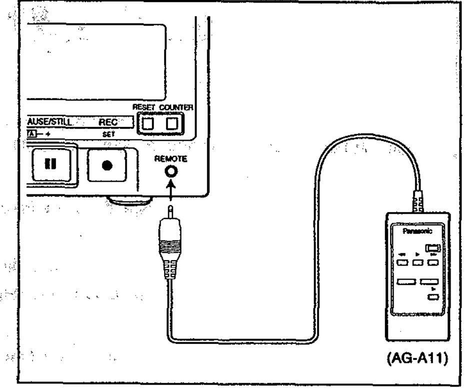
㉕ FF button
When this is pressed, the tape is fast forwarded, and when "TAPE" is set for the "S/F/R EE SEL" set-up menu item, the playback picture can be monitored.

㉖ PLAY button
When this is pressed, playback commences. When it is pressed together with the REC button, recording commences.

㉗ PAUSE/STILL button
When this is pressed during recording, the tape travel is temporarily stopped (pause mode). When it is pressed again, recording is resumed. When this is pressed during playback, the still picture mode is established. When it is pressed again, playback is resumed.

㉘ REC button
When this is pressed together with the PLAY button, recording commences.

㉙ Remote control connector
When the remote controller (AG-A11) is connected to this connector, the unit can be operated from a distance by this controller instead of by its function buttons. In this case, the LOCAL/MENU/REMOTE switch must be set to the REMOTE position.

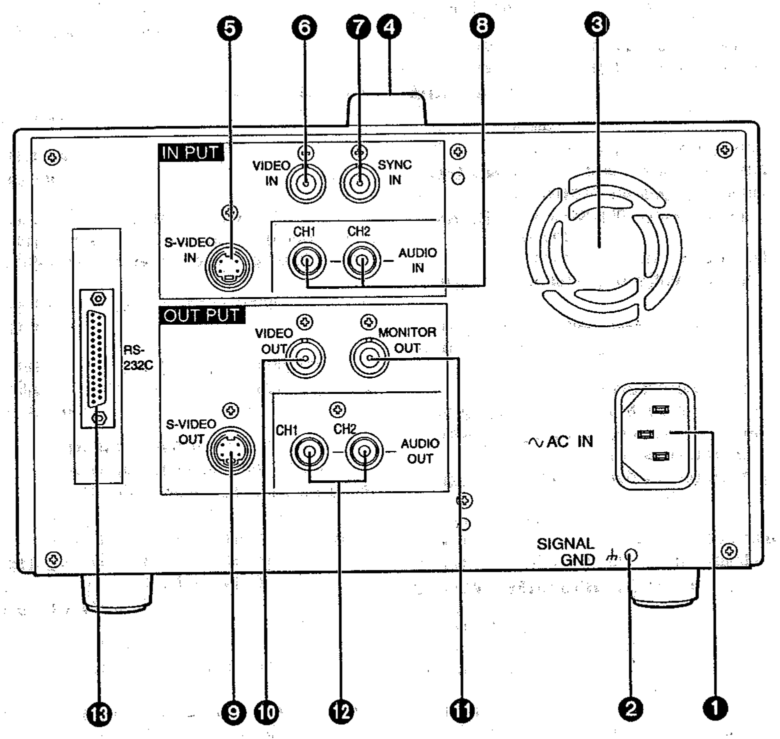


㉚ COUNTER button
This switches the display on the counter display area.

CTL: The tape timer (control signal) is displayed.
TC: The time code is displayed.
UB: The user's bit is displayed.
Remaining tape:
The amount of tape remaining is displayed.

㉛ RESET button
When this is pressed in the CTL mode, the counter display is reset to 00:00:00:00.

Connector section


❺
❻
❼
❹
❽
❸
IN PUT
VIDEO IN
SYNC IN
S-VIDEO IN
CH1
CH2
AUDIO IN
OUT PUT
VIDEO OUT
MONITOR OUT
S-VIDEO OUT
CH1
CH2
AUDIO OUT
RS-232C
∿AC IN
SIGNAL GND
⓭
❾
❿
⓬
⓫
❷
❶

Connector section

❶AC IN connector
Use the power cord supplied to connect this connector to the power outlet.

❷SIGNAL GND terminal
This is connected to the signal ground terminal on the unit connected in order to reduce the noise. It is not a safety ground.

❸Fan motor
This is for cooling the unit.

❹Handle

❺S-VIDEO IN connector
This is the input connector for the S-VIDEO video signals.

❻VIDEO IN connector
This is the input connector for the analog video signals.

❼SYNC IN connector
This is connected to the composite sync signals of a reference sync signal generator if synchronization with an external reference sync signal is to be obtained during playback.

❽AUDIO IN connector
This is the input connector for the analog audio signals.

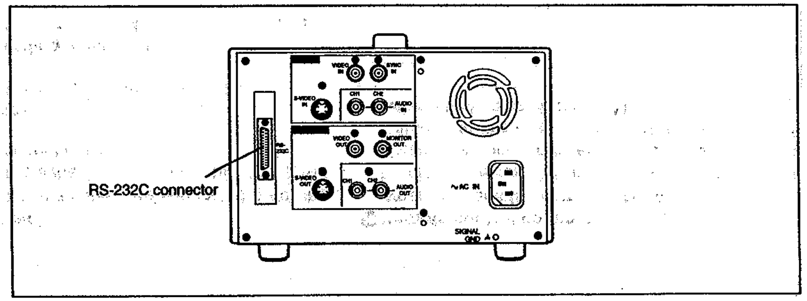
❾S-VIDEO OUT connector
This is the output connector for the S-VIDEO video signals.

❿VIDEO OUT connector
This is the output connector for the analog video signals.

⓫MONITOR OUT connector
This is the output connector for the video monitor signals.
Superimposed video signals can be output from it.

⓬AUDIO OUT connector
This is the output connector for the analog audio signals.

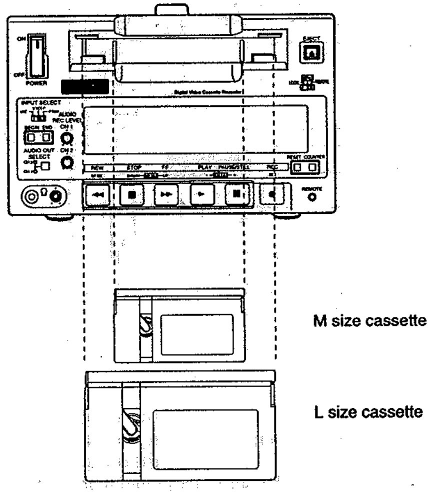
⓭RS-232C connector
Connecting the optional RS-232C cable to this connector enables many kinds of computerized operations to be performed for the unit.


RS-232C connector

Tapes

Type	Description
Consumer-use cassette (S size cassette)	This is exclusively designed for use in consumer-use camera/recorder units. It can be used in the unit for playback only provided that the cassette adaptor (option) is obtained. **Use of Panasonic consumer DV cassette tape is recommended.** Note that inserting a cassette tape without using the cassette adaptor can damage the unit.
M size cassette	Recording/playback tape with a maximum length of 66 minutes (AJ-P12MP, AJ-P24MP, AJ-P33MP, AJ-P46MP, AJ-P66MP)
L size cassette	Recording/playback tape with a maximum length of 126 minutes (AJ-P34LP, AJ-P66LP, AJ-P94LP, AJ-P126LP)

Align the cassette tape with the center of the loading slot, and push it in gently. It will then be loaded automatically.


M size cassette
L size cassette

<Precautions for playing back consumer-use DV tapes>

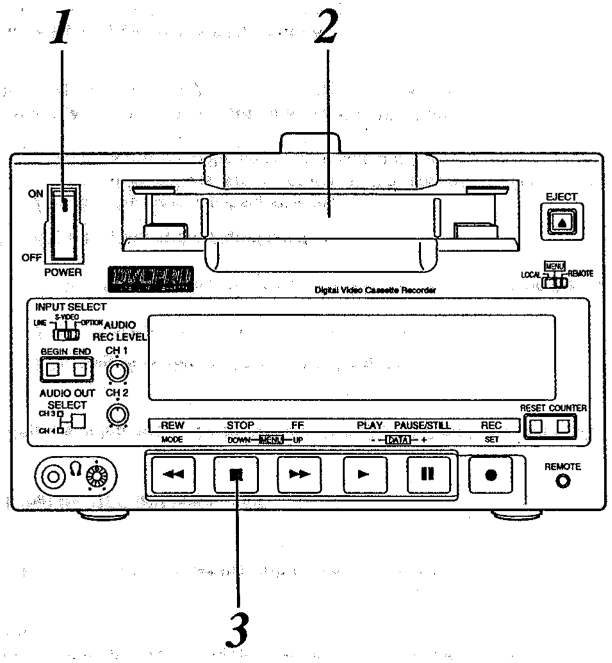
- A consumer-use tape can be used for playback only.
- A consumer-use tape recorded in LP mode cannot be played back.
- Since a consumer-use tape cannot be used for recording, the unit's functions related to recording are prohibited.
- The maximum traveling speed of a consumer-use tape is 32× normal tape speed.
- The still-picture images on a consumer-use tape may be disturbed.
- From the perspective of protecting the tape, refrain from cue-up operation using a consumer-tape wherever possible.
- When a consumer-use tape is employed, the maximum duration of the still timer is set to 10 seconds, and the total time during which the unit is allowed to be left standing in the still mode is set to 1 minute.
- The time code read disabled display may appear when a search is performed on a consumer-use tape or the still-picture image of such a tape is displayed.

Operation

Switching on the power and inserting the cassette

Before attempting to operate the unit, make sure that it has been connected properly.

1. **Switch on the power.**
2. **Insert the cassette tape.**
   Insert the cassette tape into its prescribed position without forcing it in any way.
3. **Check that the STOP lamp has lighted.**
   When the tape is inserted, the cylinder starts rotating automatically, the tape is loaded, and the unit is set to the stop mode.


1
2
3
ON
OFF
POWER
EJECT
LOCAL
MENU
REMOTE
Digital Video Cassette Recorder
INPUT SELECT
LINE
S-VIDEO
OPTION
AUDIO
REC LEVEL
BEGIN END
CH 1
AUDIO OUT
SELECT
CH 3
CH 4
CH 2
REW
MODE
STOP
DOWN
MENU
UP
FF
PLAY
PAUSE/STILL
DATA
REC
SET
RESET COUNTER
REMOTE

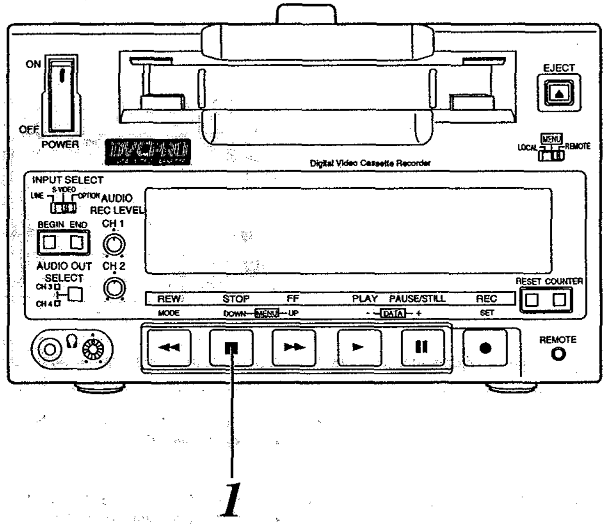
Stop mode

1 **The unit is set to the stop mode when the STOP button is pressed.**
The STOP lamp lights and the tape stops traveling.

- In order to protect the tape, the unit is set to the tape protection mode after the period of time set in the "STILL TIMER" set-up menu item has elapsed. (See page 27) When the STOP, REW, FF or PLAY button is pressed, the unit is set to the corresponding mode.

<Precautions for setting the still timer>

- When the same part of the same tape is used repeatedly, the cumulative standby time in the same place increases.
  In order to protect the tape, set the standby time for the same place on the same tape to as short a duration as possible.


ON
OFF
POWER
Digital Video Cassette Recorder
EJECT
MENU
LOCAL
REMOTE
INPUT SELECT
LINE
S VIDEO
OPTION
AUDIO
REC LEVEL
BEGIN END
CH 1
CH 2
AUDIO OUT
SELECT
CH 3
CH 4
REW
MODE
STOP
DOWN
MENU
UP
FF
PLAY
PAUSE/STILL
DATA
REC
SET
RESET COUNTER
REMOTE
1

Recording

1 **Set the accidental erasure prevention tab on the cassette tape to "recording," and insert the tape.**

2 **Press the STOP button to set the unit to the stop mode.**

3 **Check that the REC INH lamp is off.**

4 **Selecting the video and audio input signals and adjusting the audio signal level**

4-1 **Selecting the video and audio input signals**

1 Connect the signals which are to be recorded.

2 Select the input signals using the INPUT SELECT switch on the front panel.

4-2 **Adjusting the audio signal level**

1 Adjust the audio input signal level.
The audio signals are recorded at the appropriate level when the level controls are set to the center click-stop position.

5 **Press the PLAY button while holding down the REC button.**
The REC and PLAY lamps light, and recording is commenced.

6 **To stop recording, press the STOP button.**
Recording is now ended, and the unit is set to the stop mode.

<Notes>

- A recording cannot be made properly on a tape on which the recording protection signal has been recorded as an input signal.
- During recording, check that the SERVO lamp is lighted. If the lamp is flashing or off, the images played back will be disturbed.

Pause/still recording (back-space assemble recording)

1. **Press the PAUSE/STILL button while the cassette tape is playing.**
   If the "AUTO BACK" set-up menu item has been set to ON, the tape will be rewound for 1 or 2 seconds starting at the position where the PAUSE/STILL button was pressed. (See page 25)
2. **Press the REC button to set the unit to the REC PAUSE mode.**
   The monitor display now switches to the E-E screen.
3. **Press the PAUSE/STILL button to start the recording.**

   The tape runs to the position where the PAUSE/STILL button was pressed in step *1*, and the recording is started.

   <Note>
   The E-E screen now appears.

Playback

1. **Insert the cassette tape.**
2. **Press the PLAY button.**
   Normal playback is now commenced.
3. **To stop playback, press the STOP button.**
   The VTR is now set to the stop mode.

<Note>
During playback, check that the SERVO lamp is lighted. If the lamp is off or flashing, the images played back will appear disturbed.

Cue and Review

Keep pressing the FF or REW button during playback.
While the button is held down, the tape is cued or reviewed at approximately 10× normal tape speed.

Normal playback is restored when the button is released.

- The cue track sound is output during cue or review if the "SEARCH CUE" set-up menu item has been set to ON. (See page 30)

Still-picture playback

Press the PAUSE/STILL button during playback.
When it is pressed again, normal playback is restored.

- No sound is heard during still-picture playback.

Frame advance

The tape is advanced or reversed frame by frame when the FF or REW button is pressed during playback.

- No sound is heard during frame advance or reverse.

Sound selection

Use the AUDIO OUT SELECT button to select the desired sound.
By pressing the AUDIO OUT SELECT button, the mode for the audio output is selected in the sequence shown below.

Mode	AUDIO OUT connectors		Display tube	LED
	CH1 output	CH2 output		
A	CH1	CH2	CH1 CH2	CH3 □ CH4 □
B	CH1		CH1	CH3 □ CH4 □
C	CH2		CH2	CH3 □ CH4 □
D	CH3	CH4	No display	CH3 ■ CH4 ■
E	CH3		No display	CH3 ■ CH4 □
F	CH4		No display	CH3 □ CH4 ■
G	CH1+CH3	CH2+CH4	CH1 CH2	CH3 ■ CH4 ■

The shading denotes that the selection is valid only during playback using the DV format in the 4-channel mode.

□ . . . . .Off
■ . . . . .On

Sequence of mode selection

A → B → C → D → E → F → G

Repeat playback

Setting the BEGIN and END points
[Menu mode]

1 **Set the VTR to the menu mode.**
(Set the LOCAL/MENU/REMOTE switch to the MENU position.)

2 **Select the "BEGIN/END PRESET" set-up menu item, and press the MODE (REW) button. (See page 27)**

3 **Select TC or CTL using the COUNTER button.**

4 **Select either BGN or END using either the BEGIN button or the END button.**

5 **Select the digit (flashing display) in which the change is to be made using the UP (FF) and DOWN (STOP) buttons.**
The frame digit cannot be selected. "00" is displayed for the frame value at all times.

6 **Press the DATA+ (PAUSE/STILL) button or DATA– (PLAY) button to change the value.**

7 **Upon completion of the settings, press the SET (REC) button.**
The settings are now stored in the memory, and the display returns to the regular menu screen.

8 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

<Notes>

- When an item has no setting, "--:--:--:--" is displayed.
  When repeat playback is initiated in this status, the start of the tape serves as the BEGIN point and the end of the tape serves as the END point.
- When the RESET button is pressed, the setting is reset to "00:00:00:00."
- If the MODE (REW) button is pressed without pressing the SET button upon completion of the settings, the time code setting is canceled, and the display returns to the regular menu screen.
- When the BEGIN or END button is used to set the digit in which the change is to be made to BGN or END, and then the DATA+ or DATA– button is pressed, it is possible to select whether an item is to be set or left unset.

<Menu screen>

```
CTL    BGN    – 00 : 00 : 00 : 00
       END    + 00 : 00 : 00 : 00
```

Setting the BEGIN and END points
[Front panel]

1 **Set the VTR to the local mode.**
(Set the LOCAL/MENU/REMOTE switch to the LOCAL position.)

2 **Press the BEGIN or END button on the front panel to set the current position as the BEGIN or END point.**

Displaying the BEGIN and END points

1 **Set the VTR to the remote mode.**
(Set the LOCAL/MENU/REMOTE switch to the REMOTE position.)

2 **When the BEGIN or END button on the front panel is pressed, the BEGIN or END point is displayed while the button is held down.**

Setting the repeat playback mode

1 **Set the VTR to the menu mode.**
(Set the LOCAL/MENU/REMOTE switch to the MENU position.)

2 **Select the "MEMORY MODE" set-up menu item, and select the repeat playback mode. (See page 27)**

Setting	Description of operation
OFF	Normal operation
MEM STOP	When the tape is fast forwarded or rewound, it stops near the BEGIN point.
REPEAT 1	When the tape is played to the END point, it is rewound to the BEGIN point where it stops.
CONTINUE	When the tape is played to the END point, it is rewound to the BEGIN point and played back, and this sequence of operation is repeated.

3 **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

<Note>

- When the repeat play function is used over and over again for the same tape, the tape's images will deteriorate. Replace the tape with a new one after about a hundred repeat plays.
- Bear in mind that no operation will result when repeat play is to be performed using a consumer-use tape even if "CONTINUE" has been selected for set-up menu item No.300 (MEMORY MODE). (See page 27)

Time code

The time code signal generated by the time code generator is recorded on the tape as a time code, it is read out by the time code (signal) reader, and used to display the absolute position of the tape in increments of hours, minutes, seconds and frames.
The time code is written in the sub-code area (data area) of the helical track. For this reason, it can be read out across a wide range of VTR playback speeds from the stop mode to slow playback and to high-speed playback.
The time code is indicated by the display or by the figures superimposed onto the screen.

```
TCR   00  :  07   :  04    :  24
      ↑      ↑       ↑        ↑
    Hours Minutes Seconds  Frames
```

User's bit

The user's bit is a 32-bit (8-digit) information frame contained in the time code signals which is made available to the user. It enables the operator number and other information to be recorded.

The figures 0 to 9 and the letters ABCDEF can be used for this bit.

Setting the time code

1. **Set the VTR to the menu mode.**
   (Set the LOCAL/MENU/REMOTE switch to the MENU position.)
2. **Select the "TC PRESET" set-up menu item, and press the MODE (REW) button. (See page 28)**
3. **Select the digit (flashing display) in which the change is to be made using the UP (FF) and DOWN (STOP) buttons.**
4. **Press the DATA+ (PAUSE/STILL) button or DATA– (PLAY) button to change the value.**
5. **Upon completion of the settings, press the SET (REC) button.**
   (The display returns to the regular menu screen.)
6. **Press the SET (REC) button again.**
   (The settings are now stored in the memory, and the menu mode closes.)
7. **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

<Notes>

- The current time code value is displayed as the default setting.
- When the RESET button is pressed, the setting is reset to "00:00:00:00."
- The time code cannot be set unless the "TC MODE" set-up menu item has been set to "P-REC" or "P-FREE." (See page 28)
- If the MODE (REW) button is pressed without pressing the SET button upon completion of the setting, the time code setting is canceled, and the display returns to the regular menu screen.

Setting the user's bit

1. **Set the VTR to the menu mode.**
   (Set the LOCAL/MENU/REMOTE switch to the MENU position.)
2. **Select the "UB PRESET" set-up menu item, and press the MODE (REW) button. (See page 28)**

The remaining steps in the setting procedure are the same as for the time code.

Time Code and User's Bit

Time code and user's bit playback

1 **Set the VTR to the STOP mode.**

2 **Set to TC or UB using the COUNTER button.**

TC : The time code is displayed.
UB : The user's bit is displayed.

- When the time code can no longer be read, interpolation is provided by the control signal if the COUNTER button is set to the CTL position.

3 **Press the PLAY button.**
Playback is commenced, and the time code appears on the display. When the "DISPLAY SEL" set-up menu item is set to "TIME" or "T, STA," the time code value is superimposed onto the video signals which are output from the MONITOR OUT connector.
(See page 24)

<Notes>

- The colon between the seconds and frames changes to a period while the drop frame time code is being read.
- If the time code signal is missing, interpolation is automatically provided by the CTL signal.

The display changes as shown below.

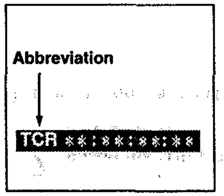
T∗R 00 : 07 : 04 : 24

The colon (" : ") between the seconds and frames changes to a period (" . ") in the drop frame mode.

"∗" appears when the time code signal is missing (superimposed display only).

Superimposed Display Screens

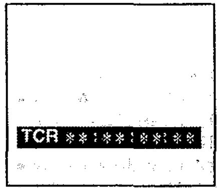
When the MONITOR OUT connector has been connected to the TV monitor, the abbreviations corresponding to the control signal, time code, etc. are displayed on the TV monitor.



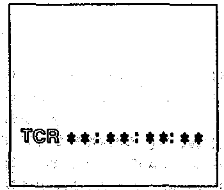
TV monitor

CTL	(control signal)
TCR	(time code playback value)
UBR	(user's bit playback value)
REMAIN	(remaining tape length)

Characters displayed
The background of the characters superimposed onto the display can be changed using the "CHARA TYPE" set-up menu item. (See page 24)

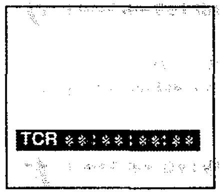


TV monitor

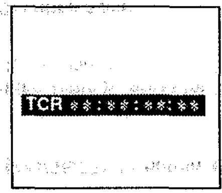


TV monitor

Display position
The position where the characters are superimposed onto the display can be changed using the "CHARA H-POS" and "CHARA V-POS" set-up menu items. (See page 24)



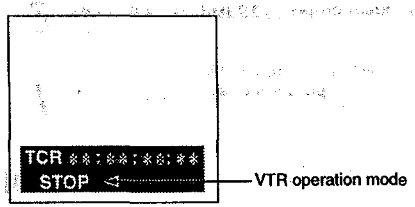
TV monitor



TV monitor

<Note>
The counter display is made to appear for as long as the MODE button is held down, enabling the settings to be checked. Even while the MODE button is held down, the DATA+ and DATA– buttons can be used to perform settings while the actual situation is checked.

Operating mode
When "T, STA" has been selected for the "DISPLAY SEL" set-up menu item, the VTR's operating mode is also displayed. (See page 24)



TV monitor

Set-up (Default Settings)

The VTR's major settings are performed by making selections using a menu system. The set-up menus appear on the TV monitor when it is connected to the MONITOR OUT connector.

Changing a setting

1. **Set the VTR to the menu mode.**
   (Set the LOCAL/MENU/REMOTE switch to the MENU position.)

2. **Select the item to be set using the UP (FF) and DOWN (STOP) buttons. The cursor on the menu screen moves and selects the item.**
   The cursor (✱) is moved to the previous set-up menu item number using the DOWN button and the next set-up menu item number using the UP button.

3. **Press the DATA+ (PAUSE/STILL) button or DATA– (PLAY) button to change the setting.**

4. **Upon completion of the setting, press the SET (REC) button.**
   The change is now stored in the memory.

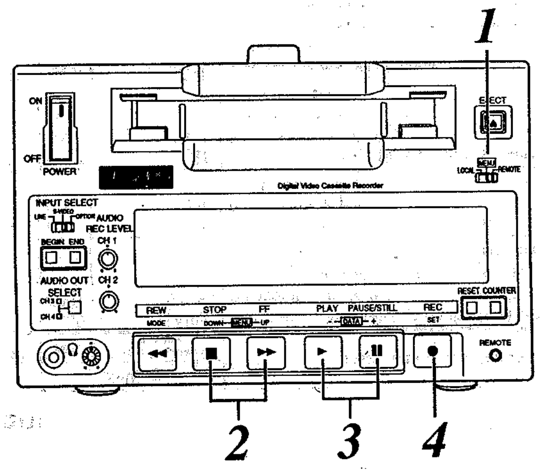
   To return from the new setting to the original setting, set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position instead of pressing the SET (REC) button.

5. **Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

<Note>
To return the setup selections to the factory (default) settings, press the RESET button while the SETUP menu is shown. The following message is then displayed.

SETUP-MENU INIT. SET
OK? (PUSH REC KEY)

- The default settings will be restored when the REC button is pressed.



Set-up Menus

BASIC menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
000	DISPLAY SEL	0000 0001 0002	OFF TIME T, STA	This sets what is to be displayed for the superimpose signals output from the MONITOR OUT connector. 0: No display 1: Only the time is displayed. 2: The time and operation mode are displayed.
001	CHARA H-POS	0000 0001 : 0003 : 0007	0 1 : 3 : 7	This sets the horizontal position of the superimposed characters (8 settings to choose from).
002	CHARA V-POS	0000 0001 : 0003 : 0007	0 1 : 3 : 7	This sets the vertical position of the superimposed characters (8 settings to choose from).
003	CHARA TYPE	0000 0001	WHITE W/OUT	This selects the type of characters for the superimposed display and menu display. 0: White characters appear on a black back ground. 1: White characters with black borders appear.
005	MENU INHIBIT	0000 0001	OFF ON	This selects whether or not the menu settings are to be fixed. 0: The settings are not fixed. 1: The settings are fixed (and cannot be changed).

The underlined number and item are the factory settings.

<Notes>

- While setting "CHARA H-POS", "CHARA V-POS", and "CHARA TYPE", the counter display can be viewed by holding down the MODE button, allowing you to check the settings. You can also use the DATA+ and DATA– buttons while holding down the MODE button to adjust the values while you are viewing them.
- To set ON or OFF for the "MENU INHIBIT" item, first press the DATA+ or DATA– button while holding down the MODE button, and then select the setting.
  Continuously after performing the settings, press the SET button (REC button) to exit the menu. The MENU INHIBIT setting takes effect starting with the next menu mode.

OPERATION menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
100	LOCAL ENABLE	0000 0001	DISABLE ST. EJ	This selects the switches on the front panel which can be operated in the remote control mode. 0: None of the switches can be operated. 1: Only the STOP and EJECT switches can be operated.
101	TAPE TIMER	0000 0001	12H 24H	This selects the CTL counter display. 0: ±12-hour display 1: 24-hour display
102	S/F/R EE SEL	0000 0001	EE TAPE	This selects the EE/VV output during stop, fast forwarding or rewinding. 0: EE is output. 1: VV is output.
103	WIDE MODE	0000 0001 0002	AUTO WIDE NORMAL	This selects the WIDE mode. 0: Automatic detection. 1: The screen mode is forcibly treated as WIDE. 2: The screen mode is forcibly treated as NORMAL.
104	TAPE IN MODE	0000 0001 0002 0003	STOP REW PAUSE PLAY	This selects the operation which follows when the cassette is inserted. 0: STOP 1: Rewind 2: Play pause 3: Play
105	TAPE END MODE	0000 0001 0002 0003	STOP REW REW→EJ EJECT	This selects the operation which follows when the tape has reached the end. 0: Stop 1: Rewind 2: This rewinds the tape and ejects it upon completion of rewinding. 3: Eject
106	SERVO REF	0000 0001	AUTO EXT	This selects the sync signals of the servo. 0: Synchronization with the input signals; if no input signals are present, synchronization with the internal signals. 1: During playback, synchronization with the SYNC IN signals; if these signals are not present, synchronization with the internal signals.

(AUTO) VIDEO IN connector:
- Synchronized playback is performed using standard video signals.
- With non-standard video signals, the switching is performed in such a way that playback is synchronized with the internal signals.

(EXT) SYNC IN connector:
- Use standard signals as the SYNC signals.
  Non-standard signals cannot be used. Use of the BB (black burst) signal is recommended.
- When an out-of-sync state occurs due to SYNC signal switching or interruption
  Set to the STOP EE mode or eject the cassette and then re-load it.
  This makes it possible for the synchronization to be reset.

No.	Superimposed display	No.	Superimposed display	Description of settings
107	AUTO BACK	0000 0001	OFF ON	This selects whether to automatically reverse (auto back) the tape to achieve back-space assemble recording. 0: No auto back 1: Auto back

The underlined number and item are the factory settings.

OPERATION menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
108	FORMAT SEL	0000 0001 0002	DVCPRO DV DVCAM	This selects the format when an L cassette is used. 0: DVCPRO mode 1: DV mode 2: DVCAM mode

<Note>
The cassette tape is played back in one of the modes listed below depending on the tape type and settings used.

Type	FORMAT SEL setting		
	DVCPRO	DV	DVCAM
S size cassette	DV	DV	DVCAM
M size cassette	DVCPRO	DVCPRO	DVCPRO
L size cassette	DVCPRO	DV	DVCAM

Use tapes specially designed for DVCPRO applications with this unit. However, if DV tapes or DVCAM tapes are to be used in the playback mode, it is recommended that playback be limited to as short a period of time as possible.

No.	Superimposed display	No.	Superimposed display	Description of settings
109	REC INHIBIT	0000 0001	OFF ON	This selects whether to inhibit recording on the VTR. 0: Recording is not inhibited. 1: Recording is inhibited.

The underlined number and item are the factory settings.

INTERFACE menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
200	BAUD RATE	0000 0001 0002 0003 0004	1200 2400 4800 9600 19200	This sets the RS-232C transfer rate (baud rate).
201	DATA LENGTH	0000 0001	8BIT 7BIT	This sets the RS-232C data length.
202	STOP BIT	0000 0001	1BIT 2BIT	This sets the RS-232C stop bit length.
203	PARITY	0000 0001 0002	NONE ODD EVEN	This sets whether the RS-232C parity bit is to be used and, if so, whether with even or odd parity. 0: The parity bit is not used. 1: The parity bit is used with odd parity. 2: The parity bit is used with even parity.
204	ACK RETURN	0000 0001	OFF ON	This sets the RS-232C return data. 0: The ACK code is not returned. 1: The ACK code is returned.

The underlined number and item are the factory settings.

<Note>
After the settings of items No.200 through No.203 have been changed, the new settings will not take effect until the power is switched on. This means that the power must be turned off and back on again after these settings are changed.

MEMORY MODE menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
300	MEMORY MODE	0000 0001 0002 0003	OFF MEM STOP REPEAT 1 CONTINUE	This sets the memory operation. 0: No memory operation. 1: The tape stops near the BEGIN point when it is fast forwarded or rewound. 2: When the tape reaches the end, it is rewound to the BEGIN point where it stops. 3: When the tape reaches the end, it is rewound to the BEGIN point where it is played, and this process is repeated.
301	BGN/END PRESET			This sets the BEGIN point and END point.

The underlined number and item are the factory settings.

TAPE PROTECT menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
400	STILL TIMER	0000 0001 0002 0003 0004 0005	0.5S 5S 10S 30S 1MIN 2MIN	This selects the time taken until the unit is set to the tape protection mode when it has been left standing in the stop, play pause or still mode. (Units: S = seconds, MIN = minutes) ● The setting for the time taken until the unit is set to the tape protection mode when it has been left standing in the REC PAUSE mode is fixed at 2 minutes.
401	SRC PROTECT	0000 0001	STEP HALF	This sets the tape protection operation which is performed when the unit has been left standing in the pause mode. 0: Step (step FWD in the still or pause mode; step REV in the REC pause mode) 1: Half loading (standby OFF)
402	DRUM STDBY	0000 0001	OFF ON	This sets whether or not the drum is to be stopped in the STANDBY OFF mode. 0: The drum rotates at all times. 1: The drum is stopped in the STANDBY OFF mode.
403	STOP PROTECT	0000 0001	STEP HALF	This sets the tape protection operation to be performed when the unit is left standing in the STOP mode. 0: Step 1: Half loading

The underlined number and item are the factory settings.

<Note>
When using a consumer DV cassette tape, tape protection mode is set after 10 seconds, even if STILL TIMER is set to "30S", "1MIN" or "2MIN".

TIME CODE menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
500	VITC POS-1	0000 0001 : 0006 : 0010	10L 11L : 16L : 20L	This sets the position where the VITC signal is to be inserted. (The same line as that selected for VITC POS-2 cannot be selected.)
501	VITC POS-2	0000 0001 : 0008 : 0010	10L 11L : 18L : 20L	This sets the position where the VITC signal is to be inserted. (The same line as that selected for VITC POS-1 cannot be selected.)
502	VITC BLANK	0000 0001	BLANK THRU	This sets whether the VITC signal is to be output. 0: VITC signal is not output. 1: VITC signal is output.
503	TCG REGEN	0000 0001 0002	TC, UB TC UB	This selects the signal to be regenerated when the TCG is in the REGEN mode. (item No. 507) 0: Both the time code and user's bit are regenerated. 1: Only the time code is regenerated. 2: Only the user's bit is regenerated.
504	BINARY GP	0000 0001 0002 0003 0004 0005 0006 0007	000 001 010 011 100 101 110 111	This sets the status for using the user's bit of the time code generated by the TCG. 0: NOT SPECIFIED (character set is not used) 1: ISO CHARACTER (8-bit character set complying with ISO646 and ISO2022 is used) 2: UNASSIGNED-1 (not defined) 3: UNASSIGNED-2 (not defined) 4: UNASSIGNED-3 (not defined) 5: PAGE/LINE (SMPTE262M page/line multiplexing system) 6: UNASSIGNED-4 (not defined) 7: UNASSIGNED-5 (not defined)
505	TCG CF FLAG	0000 0001	OFF ON	This selects whether the CF flag of the TCG is to be set ON. 0: CF flag is set OFF. 1: CF flag is set ON.
506	DF MODE	0000 0001	DF NDF	This selects the drop frame or non-drop frame mode for CTL and TCG. 0: CTL and TCG are used in the drop frame mode. 1: CTL and TCG are used in the non-drop frame mode.
507	TC MODE	0000 0001 0002 0003	P-REC P-FREE I-REGEN E-VITC	This sets the TCG mode. 0: Internal TC PRESET is used in the REC RUN mode. 1: Internal TC PRESET is used in the FREE RUN mode. 2: Internal TC is used in the REGEN mode. 3: VITC of input video signals is used in the REGEN mode.
508	TC PRESET			This sets the time code generator value.
509	UB PRESET			This sets the user's bit value.

The underlined number and item are the factory settings.

VIDEO menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
600	VIDEO MODE	0000 0001	B/W COLOR	For setting video signal recording and playback. 0: For using monochrome signals. 1: For using color signals. ● To use monochrome signals for recording and playback, set this item to the B/W mode. To use normal color signals, set it to the COLOR mode. ● If color signals are recorded in the B/W mode, the playback images will appear with abnormal colors.
601	V-MUTE SEL	0000 0001	N-MUTE LOW-RF	This selects whether the video signals are to be muted during playback under low RF conditions or when the servo lock is disengaged. 0: Video signals are not muted. 1: Video signals are muted.
602	CC (F1) BLANK	0000 0001	BLANK THRU	This selects ON or OFF for the closed capture signal in the first field. 0: Signal is forcibly blanked. 1: Signal is not blanked.
603	CC (F2) BLANK	0000 0001	BLANK THRU	This selects ON or OFF for the closed capture signal in the second field. 0: Signal is forcibly blanked. 1: Signal is not blanked.
604	STD/NSTD SEL	0000 0001	AUTO NSTD	This selects the video signal processing. 0: Mode is set automatically according to the input. 1: Mode is forcibly set to nonstandard mode.
605	FREEZE SEL	0000 0001	FIELD FRAME	This selects which type of freeze mode is to be established for the still picture during PLAY PAUSE or frame advance. 0: Field freeze 1: Frame freeze

The underlined number and item are the factory settings.

AUDIO menu

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
700	SEARCH CUE	0000 0001	OFF ON	This selects whether the cue audio signals are to be output during search or during fast forwarding/rewinding (VV). 0: Signals are not output. 1: Signals are output.
701	DV PB ATT	0000 0001	OFF ON	This selects the audio output level during DV format playback. 0: Normal playback level 1: Output level is controlled only during DV format playback.
702	PB MUTE	0000 0001	OFF ON	This selects whether the sound is to be muted during playback at the back-space assemble recording points. 0: Sound is not muted. 1: Sound is muted. However, it may not be possible to mute the sound at the edit OUT point.
703	AUDIO REC IN	0000 0001	CUT FADE	This selects the audio processing information at the back-space assemble recording points recorded on the tape. 0: Cut processing is selected 1: Fade processing is selected

The underlined number and item are the factory settings.

RS-232C Interface

The following functions can be controlled by using the RS-232C interface.

1. Basic operations

Eject
stop
play
rec/play
fast forward
rewind
pause

2. Status checks

The current VTR mode can be checked.

RS-232C Interface

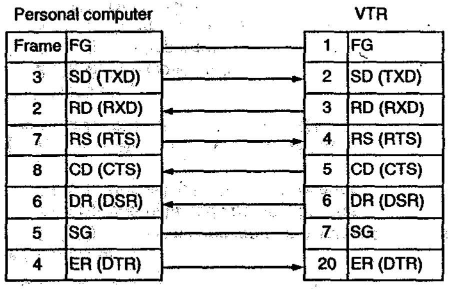
1. Hardware specifications

1) Interface specifications

Connector: D-SUB, 25P, DCE specifications (straight cable supported)

Pin No.	Signal	Description
1	FG	Protective ground
2	SD (TXD)	Transmitted data
3	RD (RXD)	Received data
4	RS (RTS)	Request to send
5	CD (CTS)	Clear to send
6	DR (DSR)	Data set ready
7	SG	Signal ground
20	ER (DTR)	Data terminal ready

Example of wiring connections



2) Communication parameters

The VTR's communication parameters are shown below. To change any of these parameters, make the changes using the menu.

Baud rate : 9600 bps
Bit length : 8 bits
Stop bit : 1 bit
Parity : None

2. Software specifications

1) External interface specifications

Communication system	Asynchronous, full duplex
Baud rate	1200/2400/4800/9600/19200
Bit length	8 bit/7 bit
Stop bit	1 bit/2 bit
Parity	NONE/ODD/EVEN

The factory settings are 9600 bps, 8 bits, 1 stop bit, and none for the parity.

2) Sending format (from personal computer to VTR)

■ Data format

[STX] [discrimination] [:] [data] [ETX]
02H XX XX XX 3AH XX·····XX 03H

20H<XX<7FH (XX = hexadecimal character code)

- discrimination : This is the command identifier (3 bytes).
- : : This code serves as the delimiter between a command and data.
- data : Data codes are added when necessary.

1. A send command must always start with STX (character code 02H).
   The 'discrimination' which follows next is the command identifier. If necessary, data is added after the colon (" : ").
   At the very end comes ETX (character code 03H).
2. When STX is re-sent before ETX is sent, the receive buffer inside the VTR is cleared (all data received up to that moment will be lost), and the data is processed again with the re-received STX placed at the head.

3) Receiving format (from VTR to personal computer)

The VTR responds to a send command with data in the following format.

1. First, the VTR returns the data which acknowledges whether the command from the computer was received properly.

1) The VTR returns the ACK data if communication was error-free.

[ACK]
06H

2) It returns data starting with NAK (negative acknowledge; character code 15H) if an error occurred in communication.

[NAK]
15H

2. Next, after [ACK] is returned because communication was error-free, data is returned in the following format by the operation of the VTR.

1) The response data (return data) format when the command from the personal computer was received properly by the VTR is as follows.

```
[STX]  [data]  [ETX]
 02H   XX·····XX  03H
```

Example: <u>Send command</u>   <u>Return data = Receive data</u>
[STX] QOP [ETX] → [ACK] [STX] OEJ [ETX]
[STX] QCD [ETX] → [ACK] [STX] CD □□□□□□□□□□ [ETX]

2) If the data is incorrect or the trouble has occurred in the VTR, details indicating the reason why the data could not be received are returned using the following format.

```
[STX]  E    R    0    0    □   [ETX]
 02H  45H  52H  30H  30H  XX   03H
```

- Meaning of □
  1 (31H): Unknown command, or command execution error
  2 (32H): Bad data code parameter error
  3 (33H): Receiving buffer overflow error

```
[STX]  E    R    1    0    □   [ETX]
 02H  45H  52H  31H  30H  XX   03H
```

- Meaning of □
  2 (32H): Front loading error
  3 (33H): Loading error
  4 (34H): Drum/capstan system error
  5 (35H): Reel system error
  6 (36H): Tension system error
  7 (37H): Fan motor error
  8 (38H): Dew error

```
[STX]  E    R    1    F    F   [ETX]
 02H  45H  52H  31H  46H  46H   03H
```

System (servo communications) error

4) Command list

■ Key commands

Send command	Description of operation	Data transmitted by personal computer	Data received in response from VTR
OSP (STOP)	All the VTR's operations are stopped, and the VTR is set to the stop mode.	[STX] OSP [ETX]	[STX] OSP [ETX]
OEJ (EJECT)	Cassette is ejected.	[STX] OEJ [ETX]	[STX] OEJ [ETX]
OPL (PLAY)	Playback is commenced.	[STX] OPL [ETX]	[STX] OPL [ETX]
ORW (REWIND)	The tape is rewound.	[STX] ORW [ETX]	[STX] ORW [ETX]
OFF (FAST FORWARD)	The tape is fast forwarded.	[STX] OFF [ETX]	[STX] OFF [ETX]
OPA (PAUSE)	This is the pause or pause release command. When the VTR is in the playback mode, it is set to the still-picture playback (STILL); when it is in the recording mode, it is set to the pause (REC PAUSE) mode. The VTR's previous mode is restored when this command is sent again.	[STX] OPA [ETX]	[STX] OPA [ETX]
ORC (REC)	Recording is commenced.	[STX] ORC [ETX]	[STX] ORC [ETX]
ORP (REC PAUSE)	The recording pause (REC/PAUSE) mode is established when the VTR is in the still-picture playback (STILL), playback or recording mode. When this command is sent again, the recording mode is established.	[STX] ORP [ETX]	[STX] ORP [ETX]
OAF (ADVANCE FIELD)	When the VTR is in the still-picture playback (STILL), the tape is advanced frame by frame in the forward direction.	[STX] OAF [ETX]	[STX] OAF [ETX]
OAR (ADVANCE REVERSE FIELD)	When the VTR is in the still-picture playback (STILL), the tape is advanced frame by frame in the reverse direction.	[STX] OAR [ETX]	[STX] OAR [ETX]

■ Status command

Send command	Description of operation	Data transmitted by personal computer	Data received in response from VTR
QOP (OPERATION MODE)	This command inquires as to the operation mode of the VTR. The VTR returns one of the following codes in response to the QOP command.	[STX] QOP [ETX]	[STX] □□□ [ETX]

VTR operation mode	Code
STOP	OSP
EJECT	OEJ
FF	OFF
REW	ORW
PLAY	OPL
STILL	OPP
RECORD	ORC
REC PAUSE	ORP

■ Counter sense command

Send command	Description of operation	Data transmitted by personal computer	Data received in response from VTR
QCD (COUNTER SENSE)	This command inquires as to the current value of the counter. The CTL counter value or TCR value is returned. The counter keys on the front panel or the menu is used to select the CTL counter and TCR values.	[STX] QCD [ETX]	[STX] CDFS □□□□ □□□□ [ETX] □□□□□□□□ Counter value **Counter value** For a CTL counter value □ □ □□ □□ □□ Sign Hours Minutes Seconds Frames –: – sign (2DH) +: Blank (20H) For a TCR value □□ □□ □□ □□ Hours Minutes Seconds Frames

■ Standby OFF commands

Send command	Description of operation	Data transmitted by personal computer	Data received in response from VTR
OBF (STANDBY OFF)	This command sets the VTR to the standby OFF mode. It is received when the VTR is in the stop mode.	[STX] OBF [ETX]	[STX] OBF [ETX]
OBN (STANDBY ON)	This command sets the VTR to the standby ON mode. This operation is recognized when the VTR is in the standby OFF mode.	[STX] OBN [ETX]	[STX] OBN [ETX]

■ Deck ID command

Send command	Description of operation	Data transmitted by personal computer	Data received in response from VTR
QID (DECK IN SENSE)	This command inquires as to the TV system accommodated by the VTR.	[STX] QID [ETX]	[STX] □□□□□□□ □ [ETX] □□□□□□□□ AJ-D230 : NTSC system AJ-D230E: PAL system

ERROR MESSAGES

When trouble has occurred in the VTR, one of the following messages appears on the tape counter.

- ● The VTR stops operating when any of the error numbers except E-00 and E-01 is displayed.

Error No.	Description of error
— d —	Condensation has formed.
E — 00	This appears when the servo has been disengaged for 3 seconds during normal playback.
E — 01	This appears when dropouts have been detected for two or more seconds during normal playback.
E — 11	The reel base which operates in accordance with the size of the tape has been locked for more than 2.5 seconds.
E — 21	The cassette has not moved down even when 4 seconds have elapsed since it was inserted. Alternatively, the cassette is not ejected even when 4 seconds have elapsed since the EJECT button was pressed.
E — 31	The loading operation was not completed within 4 seconds.
E — 32	The unloading operation was not completed within 4 seconds.
E — 41	The FG (rotational speed) signal has not been output from the cylinder motor.
E — 42	The PG (phase) signal has not been output from the cylinder motor.
E — 43	The rotational speed of the cylinder motor is abnormally high.
E — 44	The rotational speed of the cylinder motor is abnormally low.
E — 51	The FG (rotational speed) signal has not been output from the capstan motor.
E — 52	The rotational speed of the capstan motor is abnormally high.
E — 53	The rotational speed of the capstan motor is abnormally low.
E — 61	The supply reel motor has locked up.
E — 62	The take-up reel motor has locked up.
E — 63	The rotational speed of the supply reel motor is abnormally high.
E — 64	The rotational speed of the take-up reel motor is abnormally high.
E — 65	A tension error has been detected.
E — 66	The start or end processing operation has not been completed even though 7 or more seconds have passed.
E — 67	Communication error between SERVO and AVSYS. There is an error in the data.
E — 68	Communication error between SERVO and AVSYS. The data has been fixed at high or low.
E — 69	An error occurred in communication between SERVO and AVSYS when the power was turned on.
E — 70	The fan motor stopped operating.
E — 80	Trouble has occurred in the supply voltage.

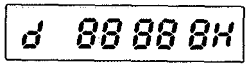
Video Head Cleaning

This VTR comes with an auto head cleaning function which automatically reduces the amount of dirt on the heads. However, to ensure the highest reliability, we recommend that you clean the video heads every day.
Use the cleaning fluid designated by Panasonic.

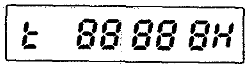
Checking the hour meter

1. **Set the VTR to the remote mode.**
   (Set the LOCAL/MENU/REMOTE switch to the REMOTE position.)

2. **When the RESET button on the front panel is pressed, the cumulative numbers of hours during which the drum and capstan have been used are indicated alternately on the counter display for as long as the button is held down.**



Cumulative drum rotation time



Cumulative capstan rotation time

Condensation

The principle according to which condensation forms is the same as that which causes droplets of water (condensation) to form on the window panes of a heated room when it is cold outside. Condensation forms on the VTR or its tape when it is moved to a location with a considerably different temperature and humidity. More specifically, it forms when the VTR or tape is:

- Brought into a very steamy and humid location or into a room where the heating was just turned on.
- Brought suddenly from an air-conditioned room to a very hot and humid location.

In such cases, do not turn the power on straight away but leave the unit standing for about 10 minutes. When condensation has formed in the unit, an error message lights up in the counter display section, and the cassette tape is automatically ejected.
Keep the power on and wait until the error message is cleared.

Maintenance

Before performing any maintenance work, set the power switch to the OFF position and disconnect the power cable from the AC outlet making sure that you take hold of the molded part of the power plug.
Use a soft cloth to clean the cabinet. In order to get rid of stubborn dirt, dilute some neutral kitchen detergent with water, dip a cloth into the solution, wring it out well, and wipe away the dirt. Then wipe off any moisture which remains using a dry cloth.
Do not use paint thinners or benzine for cleaning purposes.

SECTION 2

SERVICE INFORMATION

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2-7. Cleaning Procedures... 2-10

2-1. Maintenance

2-1-1. Maintenance Parts Chart

	Name	Part Number	Using Hours (unit hours)					
			2,000	4,000	6,000	8,000	10,000	12,000
	Tape Path Cleaning		△ Clean the Tape Path at each 500 hours					
	Fan Motor	VRF0197	Replace the Fan Motor at each 10,000 hours ***Operation Time***.					
	Mech. Chassis Unit	VXY1241Z1						●
1	Cylinder Unit	VEG1337	●	●	●	●	●	
2	Pinch Arm Unit	VXL2684		● ■		● ■		
3	Cleaning Arm Unit	VXL2748	●	●	●	●	●	
4	S Reel Motor A Unit	VEM0635			●			
5	T Reel Motor A Unit	VEM0636			●			
6	Thrust Screw Unit	VXQ0556			● ▲			

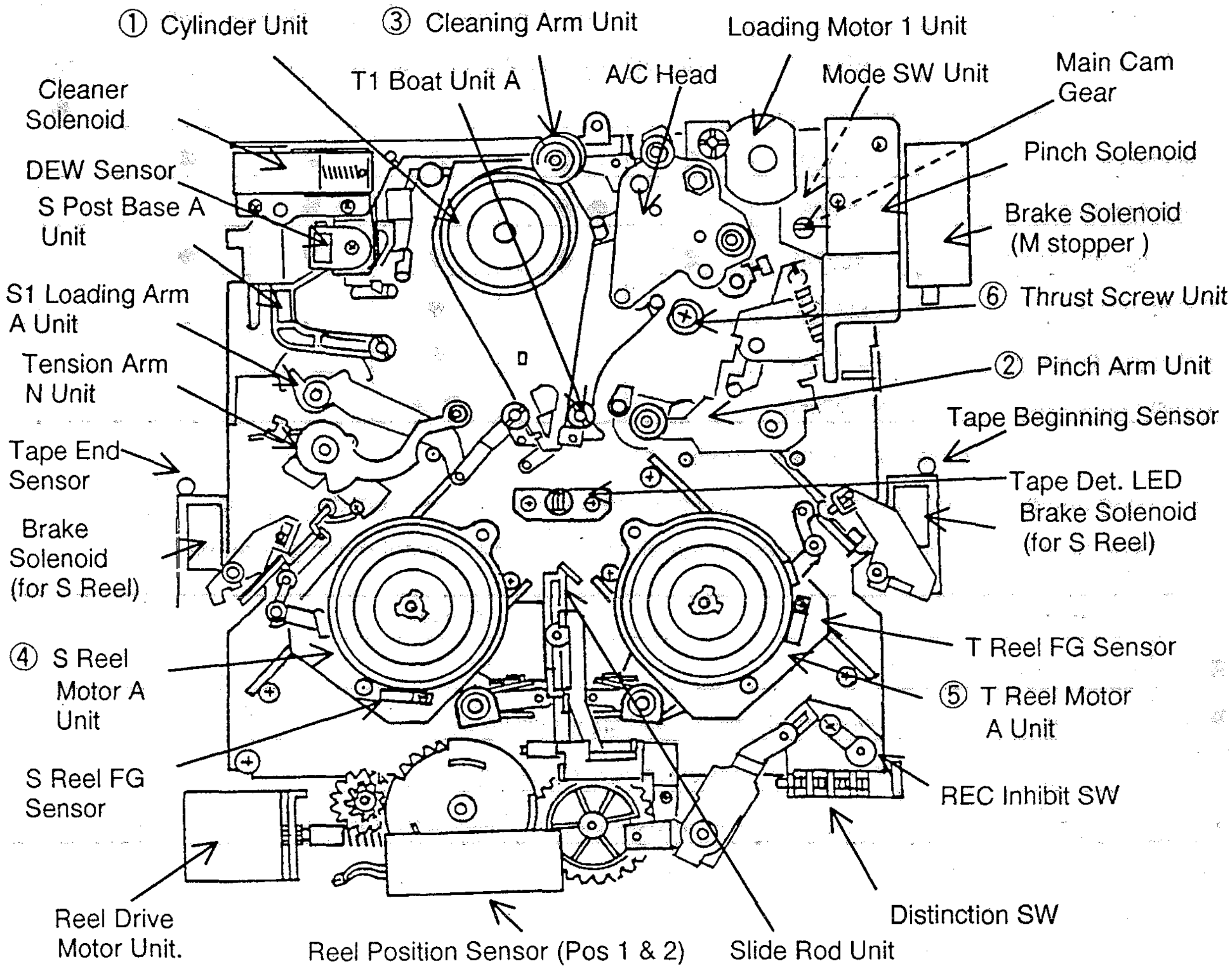
Note: Using Hours are based on the head rotation hours.

Using hours are recommendation. It may depend on temperature, humidity or dusty.

Using hours are listed as the reference of maintenance. They do not mean guarantee hours.

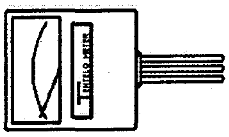
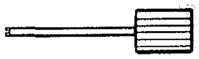
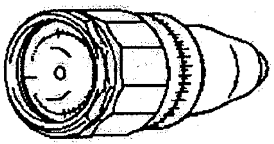
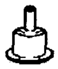
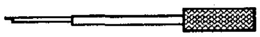
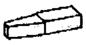
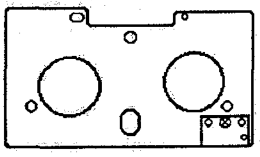
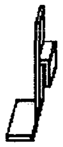
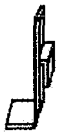
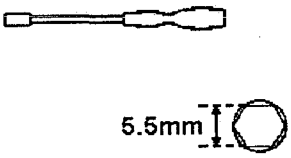
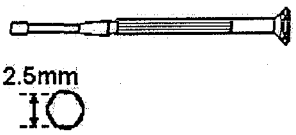
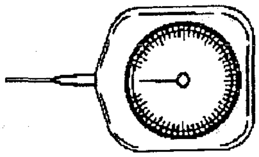
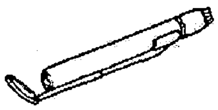
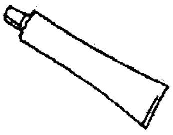
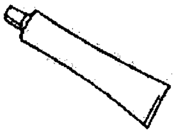
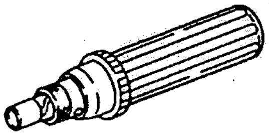
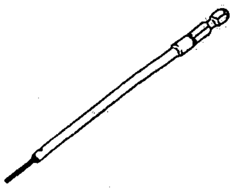
Symbol	Maintenance	Remark
●	Replacement	————
■	Greasing	Wipe the old grease and apply new grease.
△	Cleaning	This mark means cleaning is necessary.
▲	Lubrication	The lubrication is necessary when replacing the Pinch Arm Unit

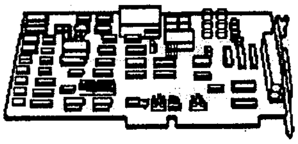
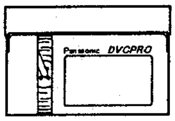
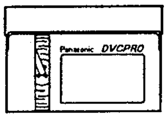
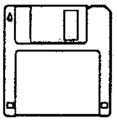
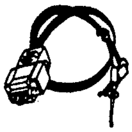
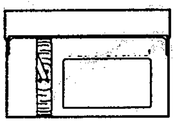
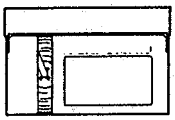
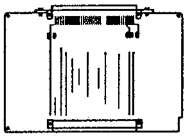
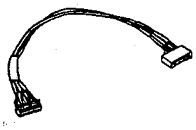
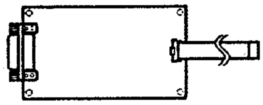
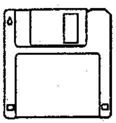
2-1-2. Sensors Layout


① Cylinder Unit
③ Cleaning Arm Unit
Loading Motor 1 Unit
Cleaner Solenoid
T1 Boat Unit A
A/C Head
Mode SW Unit
Main Cam Gear
DEW Sensor
Pinch Solenoid
S Post Base A Unit
Brake Solenoid (M stopper)
S1 Loading Arm A Unit
⑥ Thrust Screw Unit
Tension Arm N Unit
② Pinch Arm Unit
Tape Beginning Sensor
Tape End Sensor
Tape Det. LED
Brake Solenoid (for S Reel)
Brake Solenoid (for S Reel)
④ S Reel Motor A Unit
T Reel FG Sensor
⑤ T Reel Motor A Unit
S Reel FG Sensor
REC Inhibit SW
Reel Drive Motor Unit.
Reel Position Sensor (Pos 1 & 2)
Slide Rod Unit
Distinction SW

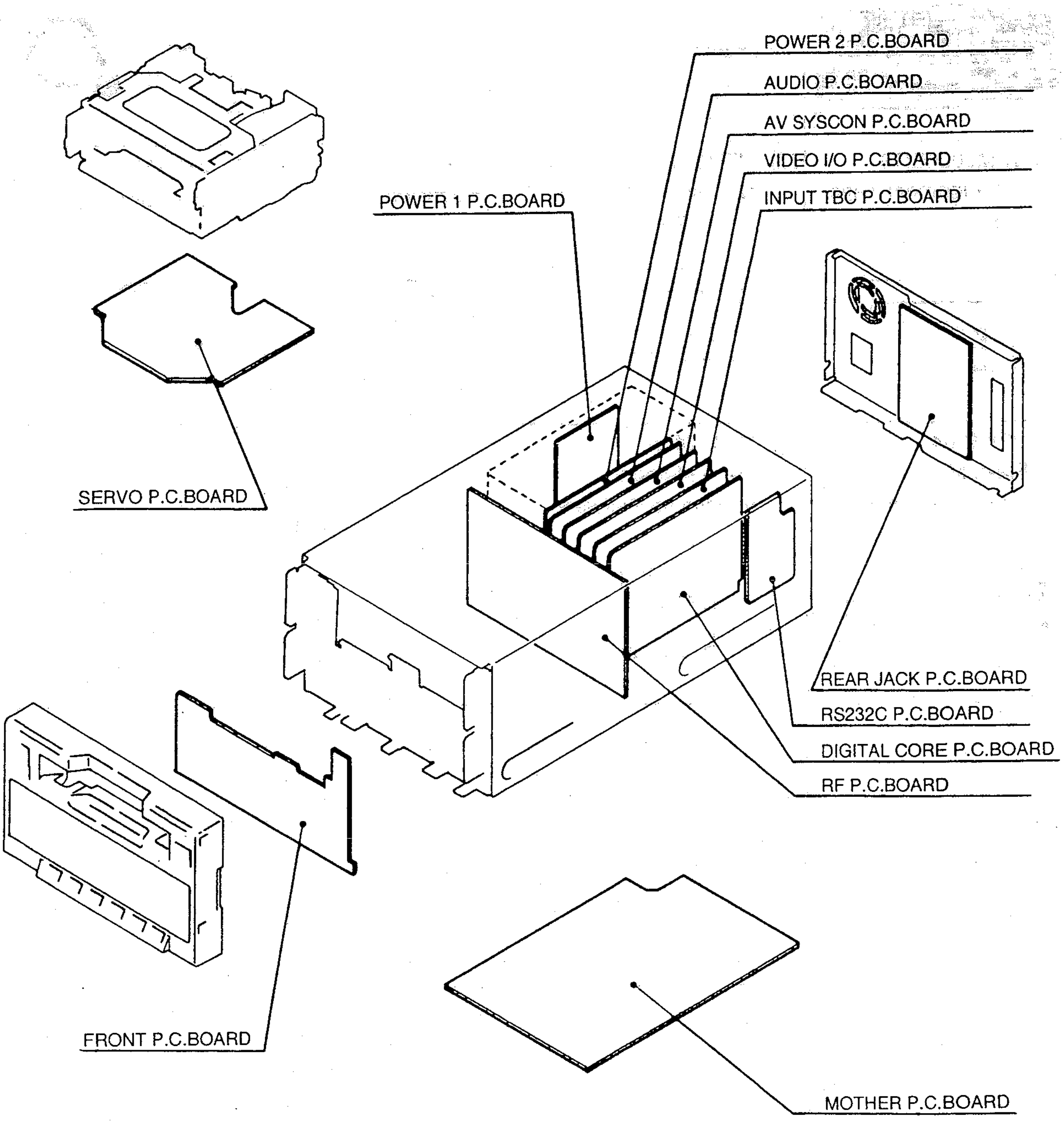
2-2. Servicing Fixtures & Tools

Fig	ITEM	PART NO.	JIG & EQUIPMENT	REMARKS
1	JIG TOOL	VFK1145	Back Tension Meter (T2-M30-P)	
2		VFK1149	Post Driver	
3		VFK71	Dial Torque Gauge (150g)	
4		VFK1191	Dial Torque Gauge (45g)	
5		VFK1152	Dial Torque Gauge Adaptor	
6		VFK0357	Eccentric Screwdriver (1.5)	
7		VFK1154	Post Height Fixture	
8		VFK1153	Mech. Neutral Plate (Post)	
9		VFK0906	Oil	
10		VFK1155	Neutral Position Tool (Gold)	
11		VFK1156	Neutral Position Tool (Black)	
12		VFK1208	Neutral Position Tool (Black with Hole)	
13		VFK1150	Nut Driver (5.5mm)	
14		VFK1151	Nut Driver (2.5mm)	
15		VFK1188	Dial Tension Gauge (30g)	
16		VFK0948	Check Light	
17		VFK0749	Froiral Grease (for plastic)	
18		MOR265	Morlytone Grease (for metal)	
19		VFK1146	Philips Driver (Fine) (00-75)	
20		VFK1147	Philips Driver (Fine) (0-100)	
21		VFK1148	Hex. Driver (1.5)	
22		VFK1178	Hex. Driver (0.89)	
23		VFK1179	Hex. Driver (0.71)	
24		VFK1190	Hex. Wrench	
25		VFK1209	Torque Driver (0.4 - 3kg)	
26		VFK0912	Post Axis Driver (1.5mm)	or VFK1375
27		VFK1300	A/D Board (DAQ-12 Quatech)	Purchase Locally
28		VFM3580KM	Alignment Tape (No.1)	for NTSC
29		VFM3581KM	Alignment Tape (No.2)	for NTSC
30		VFM3582KM	Alignment Tape (No.3)	for NTSC
31		AJ-CL12MP	Cleaning Tape	SALES
32		VFK1159	LISTA Software	
33		VFK1186	LISTA Cable	
34		VFM3000EDS	Alignment Tape (DV LISTA)	
35		VFM3010EDS	Alignment Tape (DV Color Bar)	for NTSC
36		VFK1357	Extention Board	
37		VFK1358	Extension Cable	
38		VFK1304	Flash Memory Version up Tool	
39		VFK1248A	Flash Memory Version Up Software	

1 VFK1145 Back Tension Meter  Model:T2-M30-P	2 VFK1149 Post Driver 	3 VFK71 (150g) 4 VFK1191(45g) Dial Torque Gauge 	5 VFK1152 Dial Torque Gauge Adapter 
6 VFK0357(ϕ 1.5) Eccentric Screwdriver 	7 VFK1154 Post Height Fixture 	8 VFK1153 Mech Neutral Plate(Post) 	9 VFK0906 OIL (for Thrust Adjustment screw)
10 VFK1155 (REV, Gold) 11 VFK1156 (PLAY, Black) 12 VFK1208(Neutral,Black With hole)  (Gold)  (Black)	13 VFK1150 Nut Driver(5.5mm) 	14 VFK1151 Nut Driver(2.5mm) 	15 VFK1188(30g) Dial Tension Gauge 
16 VFK0948A(or purchase locally) Check Light 	17 VFK0749 Froiral Grease(White) (for plastic part) 	18 MOR265 Morlytone Grease(Black) (for metal part) 	19 VFK1146 (00 x 75) 20 VFK1147 (0 x 100) Philips Driver
21 VFK1148(1.5mm) 22 VFK1178(0.89mm) 23 VFK1179(0.71mm) Hex. Driver 	24 VFK1190 (1.5mm) Hex. Wrench 	25 VFK1209 Torque Driver(0.4-3Kg) 	26 VFK0912 or VFK1375 Post Axis Driver(1.5mm) 

27 VFK1300 A/D Converter Board (For Quatech. DAQ-12 Purchase Locally) 	28 VFM3580KM 29 VFM3581KM 30 VFM3582KM DVC PRO Alignment Tape 	31 AJ-CL12MP Cleaning Tape 	32 VFK1159 LISTA Software 33 VFK1186 LISTA Cable 
34 VFM3000EDS DV Alignment Tape (LISTA) 	35 VFM3010EDS DV Alignment Tape (Color Bar) 	36 VFK1357 Extension Board 	37 VFK1358 Extension Cable 
38 VFK1304 Flash Memory Version up Tool 	39 VFK1248A Flash Memory Version up Software 		

2-3. Boards Location


POWER 2 P.C.BOARD
AUDIO P.C.BOARD
AV SYSCON P.C.BOARD
VIDEO I/O P.C.BOARD
POWER 1 P.C.BOARD
INPUT TBC P.C.BOARD
SERVO P.C.BOARD
REAR JACK P.C.BOARD
RS232C P.C.BOARD
DIGITAL CORE P.C.BOARD
RF P.C.BOARD
FRONT P.C.BOARD
MOTHER P.C.BOARD

2-4. Alignment Tapes

DVCPRO Alignment Tape

for NTSC

VFM3580KM (NTSC)

Time	Video		PCM		CUE	
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar SMPTE(75%)	Composite Video Level Confirmation	1kHz -20dB	Audio Level Confirmation	1kHz 0VU	CUE Level Confirmation
7:00	Color Bar Full Field(75%)	Component Video Level Confirmation				
14:00	H Sweep	Frequency Response			6kHz 0VU	A/C Head Azimuth
18:00	Bowtie(500k)	Y/C Timing				
22:00	Pulse&Bar	Y/C Timing			1kHz 300Hz~6kHz	Frequency Response
26:00 30:00	Area Markers					

VFM3581KM (NTSC)

Time(min)	Signal
0:00~20:00	ITI Pattern

VFM3582KM (NTSC)

Time(min)	Signal
0:00~10:00	X Value

for PAL

VFM3680KM (PAL)

Time	Video		PCM		CUE	
(min)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color Bar 100%	Video Level Confirmation	1kHz -18dBu	Audio Level Confirmation	1kHz Reference level	CUE Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers				6kHz Reference level	A/C Head Azimuth
18:00	Bowtie(500k)	Y/C Timing				
22:00	Pulse & Bar	Y/C Timing			1kHz 300Hz~6kHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C Timing				

VFM3681KM (PAL)

Time (min)	Signal
0:00 ~ 20:00	ITI Pattern

VFM3682KM (PAL)

Time (min)	Signal
0:00 ~ 10:00	X Value

2-5. Recommended Test And Service Equipment

NTSC

Part No.	Name	Remark
TSG130A(OP.04)	Analog Component Signal Generator	TEKTRONIX
2467B	400MHz Oscilloscope	TEKTRONIX
1760(OP.SC) or 1780R	SCH Meter	TEKTRONIX
520A	Vector Scope	TEKTRONIX
	Digital Volt Meter	
	Frequency Counter	
	VTVM	Frequency Band Width 4Hz-500KHz
	Audio Analyzer	

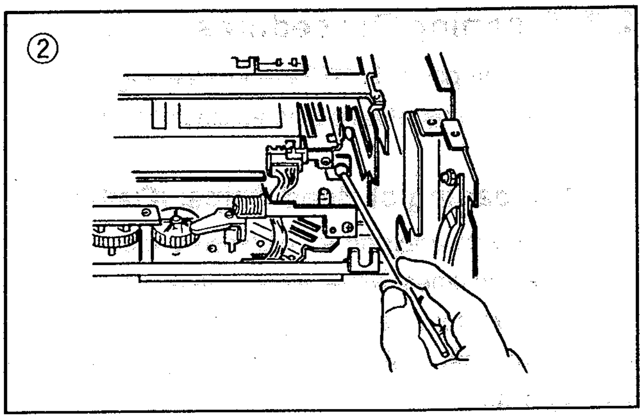
PAL

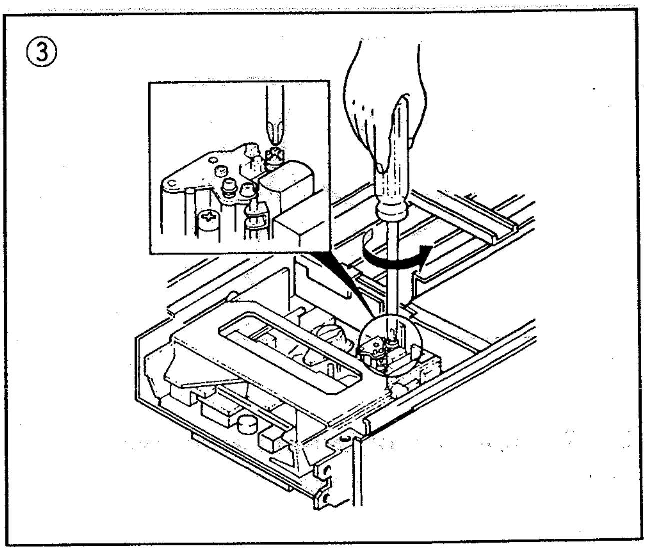
Part No.	Name	Remark
TSG131A(OP.04)	Analog Component Signal Generator	TEKTRONIX
2467B	400MHz Oscilloscope	TEKTRONIX
1751(OP.SC) or 1781R	SCH Meter	TEKTRONIX
	Digital Volt Meter	
	Frequency Counter	
	VTVM	Frequency Band Width 4Hz-500KHz
	Audio Analyzer	

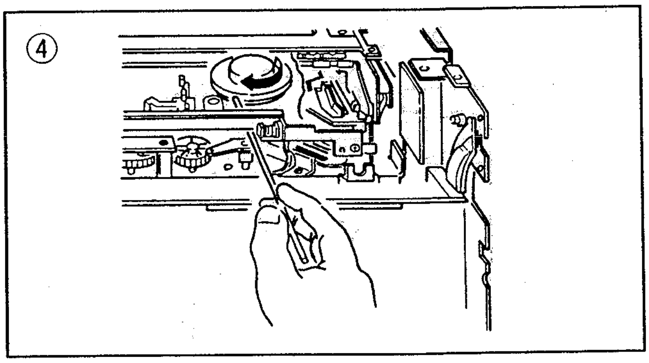
2-6. Manual Tape Eject

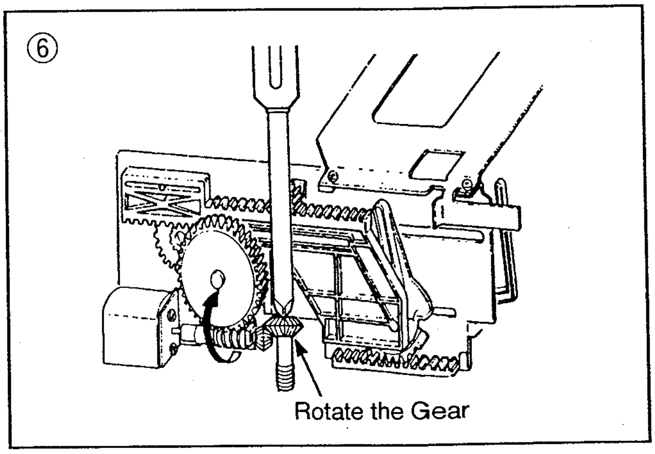
When a tape cannot be ejected, because of Power failure or mechanical tape damage, remove the tape manually.

1. Turns power off and remove the top panel and front panel.
2. Release the T Reel brake by pressing the iron core of the T Reel Brake Solenoid.
   This is done by a thin stick from the VTR front.
3. Rotate the red plastic screw by a Phillips-head screwdriver to counterclockwise pushing the screw. It needs to rotate about 30 times rotation until starting to move.
4. When the post is unloaded, the tape loosens, so take-up reel must be wound the tape to protect tape loosen.
   The tape wind method is ; inserting a wood stick (non magnetized) between the cassette and mechanism chassis from the front and rotate the T Reel to the tape wind direction.
5. Repeat item 3 and 4 until the tape in wound completely inside of the cassette.
6. When the tape is completely inside of the cassette, rotate the red screw in front of the worm gear of the cassette down motor clockwise by a Phillips-head screwdriver pushing the screw and remove the cassette. Take care so that the cassette cover dose not bite the tape when the cover is closed.







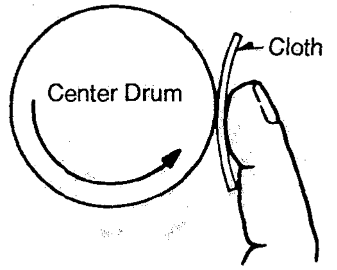


2-7. Cleaning Procedures

Make sure the power is OFF before cleaning. Use ethanol (more than 99% purity) as cleaning liquid.

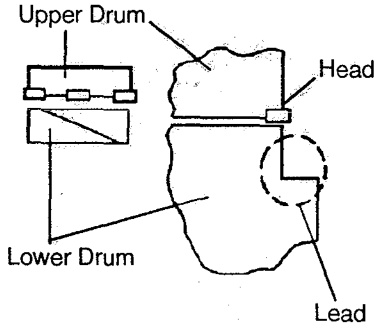
2-7-1. Cleaning of Head Chips: (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.



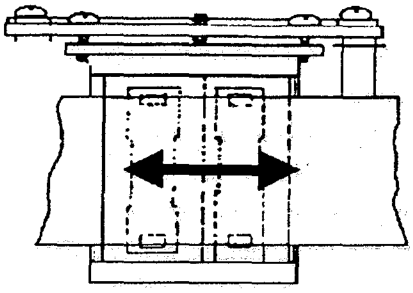
2-7-2. Cleaning of Drum Lead: (Weekly)

Be careful not to touch a head chip. Clean the drum lead with a pick.



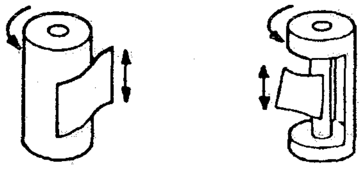
2-7-3. Cleaning of A/C Head: (Weekly)

Wipe the A/C head with a cloth soaked by cleaning liquid. Wipe again with a dry cloth.



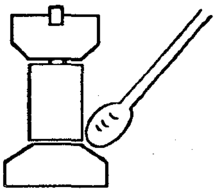
2-7-4. Cleaning of Pinch Roller and Capstan: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.



2-7-5. Cleaning of Post: (Weekly)

Wind a cloth on a pick. Wipe each post dry with that pick . Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.



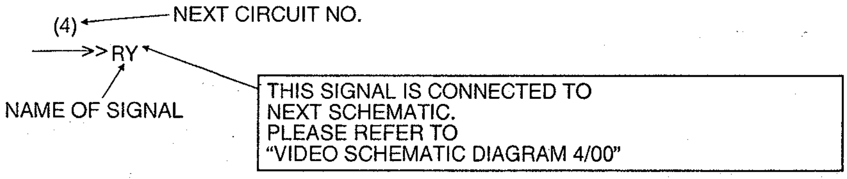
SECTION 3

SCHEMATIC DIAGRAMS

Note:
1. Do not use the part number shown on the schematic diagram or P.C. Board layout for ordering.
   The correct part number for ordering is shown in the Exploded Views/Parts List section.
2. Unless otherwise specified, all resistors are in OHMS,
   K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.

NOTE

(Example)


(4)
NEXT CIRCUIT NO.
>>RY
NAME OF SIGNAL
THIS SIGNAL IS CONNECTED TO
NEXT SCHEMATIC.
PLEASE REFER TO
"VIDEO SCHEMATIC DIAGRAM 4/00"

* **PAT:** PART is not installed.

CAUTION

THE ⬚ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

MOTHER SCM001
MOTHER SCM002
MOTHER SCM003
MOTHER SCM004
AVSYSCON SCM005
AVSYSCON (ROM) SCM006
AVSYSCON (PIO) SCM007
AVSYSCON (ANALOG IF & NVRAM) SCM008
AVSYSCON (SOL LOGIC) SCM009
AVSYSCON (BUS IF) SCM010
AVSYSCON (MOTHER CONNECT) SCM011
AVSYSCON JIG IF) SCM012
AVSYSCON (IF MICOM) SCM013
AVSYSCON (DUAL PORT RAM) SCM014
SERVO (REEL SERVO MICON) SCM015
SERVO (SERVO MICOM-C & ATF) SCM016
SERVO (CAP & CYL FG AMP) SCM017
SERVO (REEL SERVO DRIVE) SCM018
SERVO (CAP & CYL DRIVE) SCM019
SERVO (REEL SERVO SW POWER) SCM020
SERVO (CTL AMP) SCM021
SERVO (FRAME CTL) SCM022
SERVO (REEL SERVO FG AMP) SCM023
SERVO (SERVO CONNECTOR) SCM024
SERVO (MECH IF) SCM025
SERVO (BRAKE & PINCH) SCM026
SERVO (LOADING) SCM027
VIDEO I/O 1394 (CONNECTOR) SCM028
VIDEO I/O 1394 (Y C SEP) SCM029
VIDEO I/O 1394 (DECODER) SCM030
VIDEO I/O 1394 (C DEC) SCM031
VIDEO I/O 1394 (C F DET) SCM032
VIDEO I/O 1394 (BUFF OSC) SCM033
VIDEO I/O 1394 (V OUT) SCM034
VIDEO I/O 1394 (OSD) SCM035
VIDEO I/O 1394 .... SCM036
VIDEO I/O 1394 (FCLP) SCM037
DIGITAL CORE (SHUFFLE) SCM038
DIGITAL CORE (COMP, AUDIO) SCM039
DIGITAL CORE (ECC) SCM040
DIGITAL CORE (DCI) SCM041
DIGITAL CORE (VDEO DATA) SCM042
DIGITAL CORE (PIO) SCM043
DIGITAL CORE (VIDEO SBC) SCM044
DIGITAL CORE (VIDEO LOCK) SCM045
DIGITAL CORE (TAPE CTRL) SCM046
DIGITAL CORE (I/F) SCM047

SECTION 4

CIRCUIT BOARDS

CONTENTS

SERVO (VEP02545C) P.C. BOARD PCB-1
VIDEO I/O (VEP03E54B) P.C. BOARD PCB-3
AV SYSCON (VEP06C83A) P.C. BOARD PCB-5
DIGITAL CORE (VEP03D94C) P.C. BOARD PCB-7
DIGITAL SUB (VEP00Z87A) P.C. BOARD PCB-8
MOTHER (VEP00Z78A) P.C. BOARD PCB-9

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PARTS NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PARTS NUMBER IS SHOWN IN THE PARTS LIST.
AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

SECTION 5

ELECTRICAL ADJUSTMENTS

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7-4-2. T Reel Torque Offset Adj. 7-3

7-4-3. S Reel Motor Torque Offset Adj. 7-4

7-4-4. T Reel Motor Torque Offset Adj. 7-4

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7-9-5. CUE REC/PB Level Adj. 7-21

Service Menu Information

< How to Operate >

1. Remove the Top Cover.
2. Connect the Monitor video output to TV monitor
3. Set the SW 2 of SW60901 on the AV SYS C.B.A. to ON side or Connect a jumper wire between TP902 and TG907 on the AV SYS C.B.A..
4. Turn the LCOAL/MENU/REMOTE switch to MENU position on the Front panel.
5. Exit the menu, turn the LOCAL/MENU/REMOTE switch to LOCAL or REMOTE position.

MAIN Menu

```
   SERVICE - MENU        No. A00

 * A00  :  SERVO ADJUST
   B00  :  MODE SELECT
   C00  :  REC ADJUST
   D00  :  PB ADJUST
   E00  :  EQ ADJUST
```

6. Move the star mark " * " by [UP](FF) or [DOWN](STOP) button and select the item on the Main menu.
7. Press the [SET](REC) button, then open the Adjustment Menu follow the selected item (A00 to E00) on the Main menu.

Note: The contents of each Adjustment menu, which are described on behind page.

- Press the [MODE](REW) button on the Adjustment menu condition, then escape from Adjustment menu mode.

< Key function for the Service Menu >

• [SET (REC)]	① Move to each Adjustment Menu (A00 to E00) from Main Menu. ② Default select (see below). ③ [END] + this key = REC mode in service menu.
• [MODE (REW)]	① Move to Main Menu from each Adjustment Menu. ② [END] + this key = REW mode in service menu.
• [UP (FF)]	① Move the cursor " * " for select the each items. ② [END] + this key = FF mode in service menu.
• [DOWN (STOP)]	① Move the cursor " * " for select the each items. ② [END] + this key = STOP mode in service menu.
• [DATA + (PAUSE)]	① Increase adjustment value ② [END] + this key = PAUSE mode in service menu.
• [DATA - (PLAY)]	① Decrease adjustment value ② [END] + this key = PLAY mode in service menu.
• [BEGIN]	①Auto servo adjustment.
• [END]	①Normal VTR function key with above other keys.
• [EJECT]	①Normal Eject function.
• [AUDIO OUTPUT SELECT]	①Error display select on Audio Meter. (push this key change Video error to Audio error) CH1 LED light on: Video Error indicate. CH2 LED light on: Audio Error indicate. ② [END] + this key = Audio level display.

7-3. POWER

7-3-1. D5.9V Adj.

BOARD	POWER 2
SPEC.	5.9±0.05 V
TP	TP1001
ADJ.	VR1001
INPUT	-
MODE	-
TAPE	-
M. EQ	D.V.M

7-4. SERVO

7-4-1. S Reel Torque Offset Adj.

BOARD	SERVO
SPEC.	0±5 mV
TP	TP5906 (RF), TP5908 (GND)
ADJ.	A02 : S OFFSET
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	D.V.M

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A02 : S OFFSET".
2. Press [DATA+] or [DATA-] so that DC voltage become in specification.
3. Press [MODE], back to Main Menu .

7-4-2. T Reel Torque Offset Adj.

BOARD	SERVO
SPEC.	0±5 mV
TP	TP5907 (RF), TP5908 (GND)
ADJ.	A01 : T OFFSET
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	D.V.M

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A01 : T OFFSET".
2. Press [DATA+] or [DATA-] so that DC voltage become in specification.
3. Press [MODE], back to Main Menu.

7-4-3. S Reel Motor Torque Offset Adj.

BOARD	SERVO
SPEC.	15±0.5 g (5 times average)
TP	-
ADJ.	A04 : S TRQUE
INPUT	-
MODE	STOP
TAPE	-
M. EQ	Dial Torque Gauge

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A04 : S TRQUE".
2. Set the Dial Torque Gauge on the S Reel table.
3. Press [BEGIN], unit place in loading mode.
4. Measure torque 5 times and calculate average, then adjust it becomes in specification by press [DATA+] or [DATA-] during loading mode.
5. Press [BEGIN] and [MODE] back to Main Menu.

7-4-4. T Reel motor Torque Offset Adj.

BOARD	SERVO
SPEC.	15±2 g (5 times average)
TP	-
ADJ.	A03 : T TRQUE
INPUT	-
MODE	STOP
TAPE	-
M. EQ	Dial Torque Gauge

1. Open the Service Menu and select "A00 : SERVO ADJUST"⇒ "A03: T TRQUE".
2. Set the Dial Torque Gauge on the S Reel table.
3. Press [BEGIN], unit place in loading completion.
4. Measure torque 5 times and calculate average, then adjust it becomes in specification by press [DATA+] or [DATA-] during loading mode.
5. Press [BEGIN] and [MODE] back to Main Menu.

7-4-5. Tension Sensor Offset Adj. (1)

BOARD	SERVO
SPEC.	2.5±0.1V
TP	TP5901 (RF)
ADJ.	A05 : TENSION OFST
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	D.V.M

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A05 : TENSION OFST".
2. Press [DATA+] or [DATA-] so that DC voltage become in specification.
3. Press [MODE], back to Main Menu.

7-4-6. Tension Sensor Offset Adj. (2)

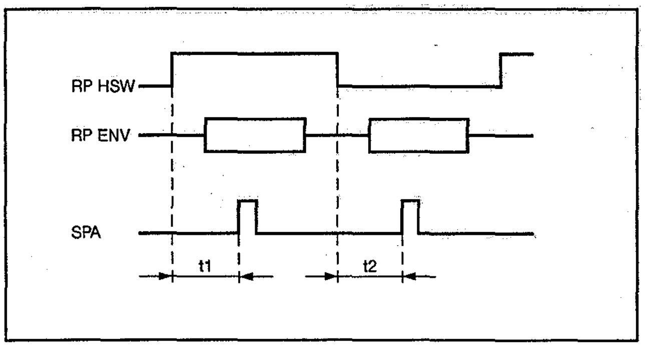
BOARD	SERVO
SPEC.	Neutral: 2.5±0.1V PLAY: 3.8±0.05V
TP	TP5901 (RF)
ADJ.	VR9501 (MOTHER)
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	D.V.M

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A05 : TENSION OFST".
2. Set the Neutral Position Tool (VFK1208) on S Post Base and press [BEGIN].
3. Measure voltage in neutral mode, if it not in specification then adjust position of the Tension Sensor Unit.
4. Remove VFK1208 and set Neutral Position Tool (VFK1156) then press [BEGIN].
5. Adjust VR9501 (it located right rear side on the Mother board) so that voltage become in PLAY mode specification.
6. Press [BEGIN] and [MODE], back to Main Menu.

7-4-7. PG Shifter Adj.

BOARD	SERVO
SPEC.	126.4±2us
TP	TP5759: RP HSW TP5251: PRE EQ OUT TP5905 : SPA (RF)
ADJ.	A06 : PG SFTR RISE A07 : PG SFTR FALL
INPUT	-
MODE	PLAY
TAPE	VFK3580KM (Color Bar)
M. EQ	Oscilloscope

1. Open the Service Menu and select "A00 : SERVO ADJUST" ⇒ "A06 : PG SFTR RISE".
2. Insert the alignment tape and press [END]+[PLAY], unit place in Play mode.
3. After light up the SERVO indicator, keep press [BEGIN] until right side numerical value of service menu "A06: PG SFTR RISE" once changes to 0000 and next changes to new numerical value.
4. Press [UP] and select "A07: PG SFTR FALL".
5. Keep press [BEGIN] until right side numerical value of service menu "A07: PG SFTR FALL" once changes to 0000 and next changes to new numerical value.
6. Confirm t1 and t2 value in above specification.
7. Press [BEGIN] and [MODE], back to Main Menu.

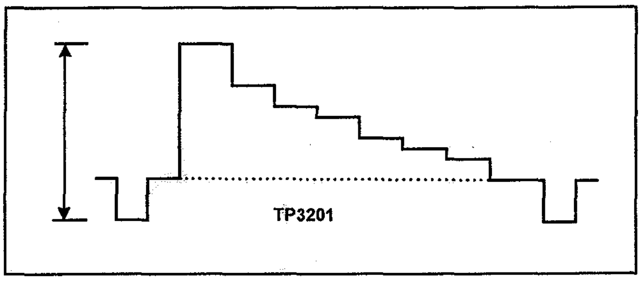


7-5. VIDEO I/O

7-5-1. DEC Y Level Adj.

BOARD	VIDEO I/O
SPEC.	1000±50mV
TP	TP3201
ADJ.	VR3203
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

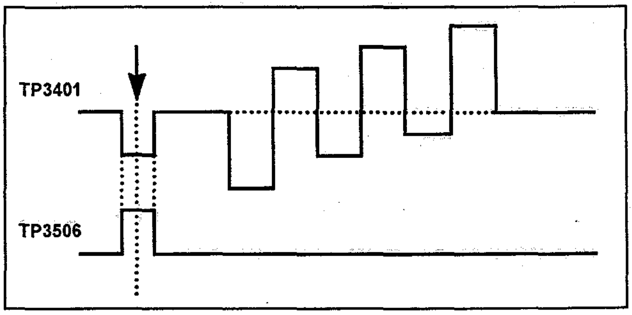
1. Adjust VR3203 so that Video level becomes in specification.



7-5-2. RSTW Adj.

BOARD	VIDEO I/O
SPEC.	0±100nsec
TP	TP3506: PB BLK DC TP3401: BGP
ADJ.	VR3501
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

1. Adjust VR3501 so that Burst position at TP3401 becomes same phase which center of PB blanking pulse at TP3506.

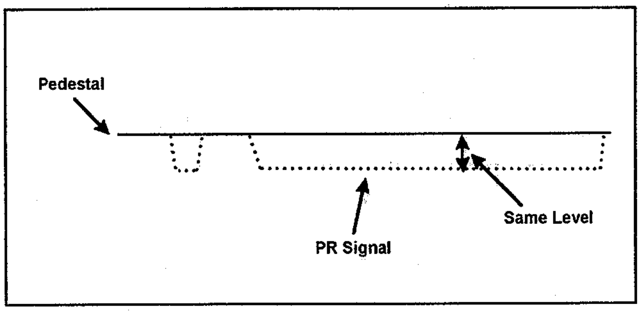


7-5-3. Chrominance Demod AXIS Adj.

BOARD	VIDEO I/O
SPEC.	PR = Pedestal level
TP	TP3402
ADJ.	VR3504
INPUT	MOD RAMP
MODE	EE
TAPE	-
M. EQ	Oscilloscope

1. Adjust VR3504 so that signal component of PR becomes same level of pedestal.

Note: Oscilloscope range: 20mV
Trigger: A21 on extension board



7-5-4. SCH Detection Adj.

BOARD	VIDEO I/O
SPEC.	as follow
TP	TP3505
ADJ.	VR3502: SCH VR3503: SCH P
INPUT	SCH ±70°
MODE	EE
TAPE	-
M. EQ	SCH Meter

1. Set SCH signal generator to -70° .
2. Turn VR3502 to CCW direction slowly and adjust TP3505 becomes H to L.
3. Change SCH signal generator to +70° .
4. Turn VR3503 to CCW direction slowly and adjust TP3502 becomes H to L.

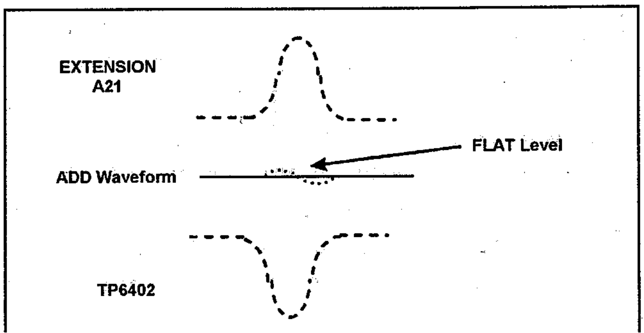
(Using AJ-LT75)

1. Supply Video out signal of AJ-LT75 to AJ-D230.
2. Open SYSTEM ADJUST MENU of AJ-LT75 and adjust SCH to -70° or +70° .

7-5-5. AD Y PR Timing Adj.

BOARD	VIDEO I/O
SPEC.	0±10nsec
TP	TP3402: AD PR A21 (Extension): AD Y
ADJ.	VR3402
INPUT	Pulse & Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

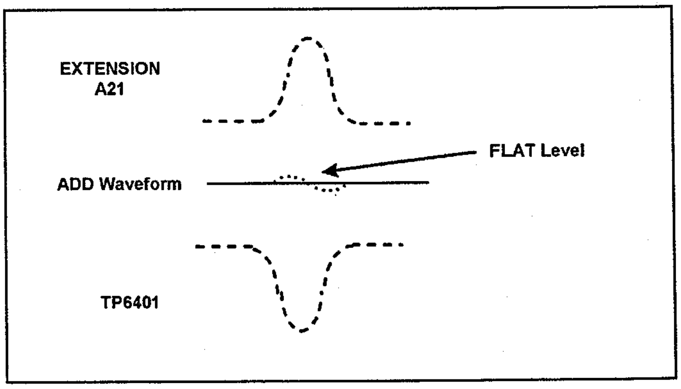
1. Set oscilloscope CH2 Invert mode (TP3402), CH1/CH2 ADD mode.
2. Adjust VR3402 so that ADD signal becomes flat.



7-5-6. AD Y PB Timing Adj.

BOARD	VIDEO I/O
SPEC.	0±10nsec
TP	TP3401: AD PB A21 (Extension): AD Y
ADJ.	VR3401
INPUT	Pulse & Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

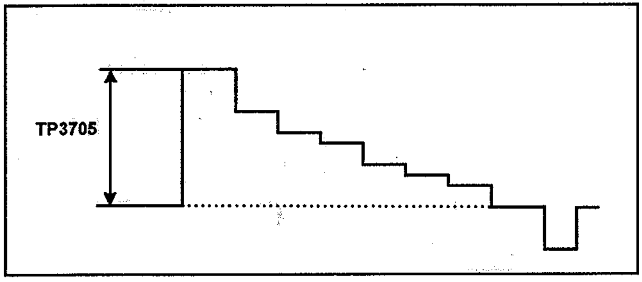
1. Set oscilloscope CH2 Invert mode (TP3401), CH1/CH2 ADD mode.
2. Adjust VR3401 so that ADD signal becomes flat.



7-5-7. DA Y Level Adj.

BOARD	VIDEO I/O
SPEC.	700±10mV
TP	TP3705
ADJ.	VR3702
INPUT	-
MODE	PLAY
TAPE	VFK3580KM (Color bar)
M. EQ	Oscilloscope

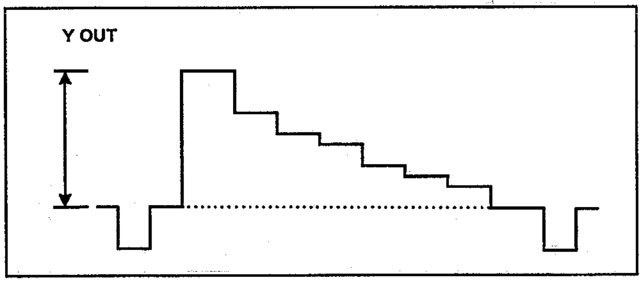
1. Adjust VR3702 so that Y level becomes in above specification.



7-5-8. Y Out Level Adj. (1)

BOARD	VIDEO I/O
SPEC.	100IRE±1%
TP	S-VIDEO (Y Out)
ADJ.	VR3705
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Color bar)
M. EQ	WFM

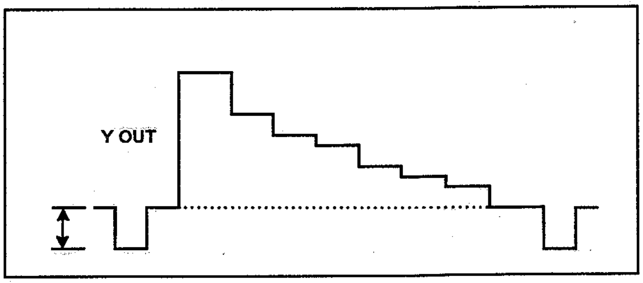
1. Adjust VR3705 so that Y level becomes 100IRE.



7-5-9. Y Out Level Adj. (2)

BOARD	VIDEO I/O
SPEC.	40IRE±1%
TP	S-VIDEO (Y out)
ADJ.	VR3701
INPUT	-
MODE	PLAY
TAPE	VFK3580KM (Color bar)
M. EQ	WFM

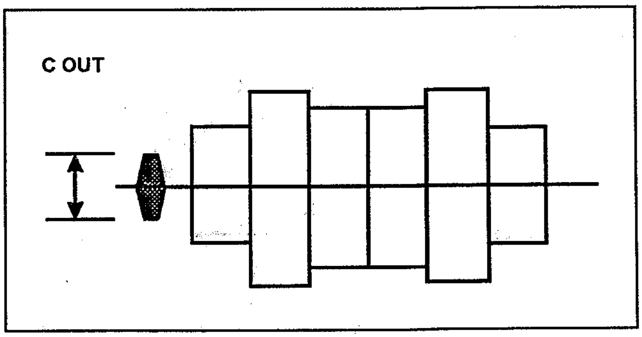
1. Adjust VR3701 so that SYNC level becomes 40IRE.



7-5-10. DA C Level Adj.

BOARD	VIDEO I/O
SPEC.	300±10mV
TP	TP3704
ADJ.	VR3703
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Color bar)
M. EQ	Oscilloscope

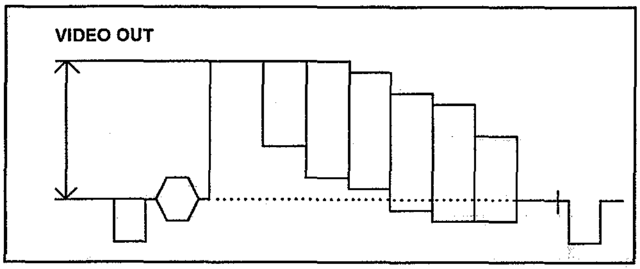
1. Adjust VR3703 so that Burst level becomes in above specification.



7-5-11. Composite Video Level Adj.

BOARD	VIDEO I/O
SPEC.	100IRE±1%
TP	VIDEO Out
ADJ.	VR3706
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Color bar)
M. EQ	WFM

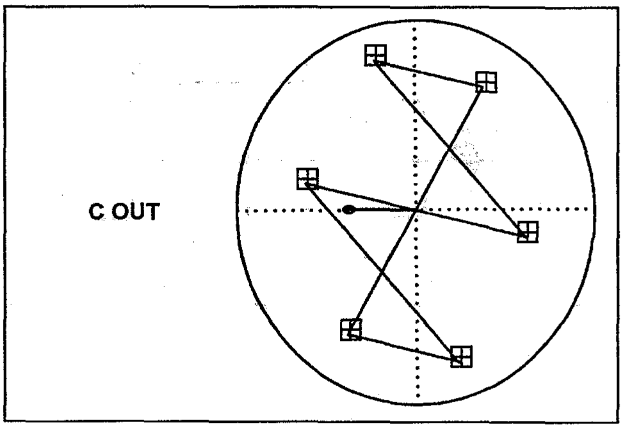
1. Adjust VR3706 so that Y level becomes 100IRE.



7-5-12. Chroma Level Adj.

BOARD	VIDEO I/O
SPEC.	75% Burst Level
TP	S-VIDEO (C out)
ADJ.	VR3707
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Color bar)
M. EQ	Vector Scope

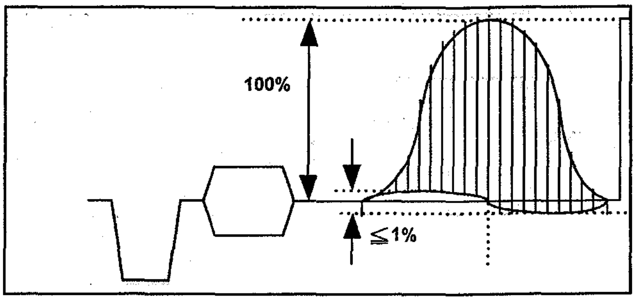
1. Adjust VR3707 so that Burst level becomes 75% position in Scope.



7-5-13. Composite Y/C Timing Adj.

BOARD	VIDEO I/O
SPEC.	0±10ns
TP	VIDEO Out
ADJ.	VR3704
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Pulse & Bar)
M. EQ	WFM

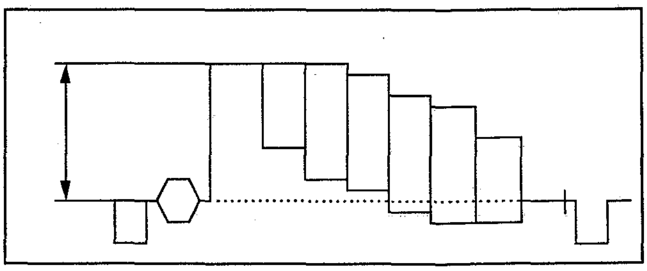
1. Adjust VR3704 so that hatching position becomes symmetric.



7-5-14. Component EE Y Level Adj.

BOARD	VIDEO I/O
SPEC.	100±1IRE
TP	VIDEO Out
ADJ.	VR3709
INPUT	75% Color Bar (S-VIDEO)
MODE	EE
TAPE	-
M. EQ	WFM

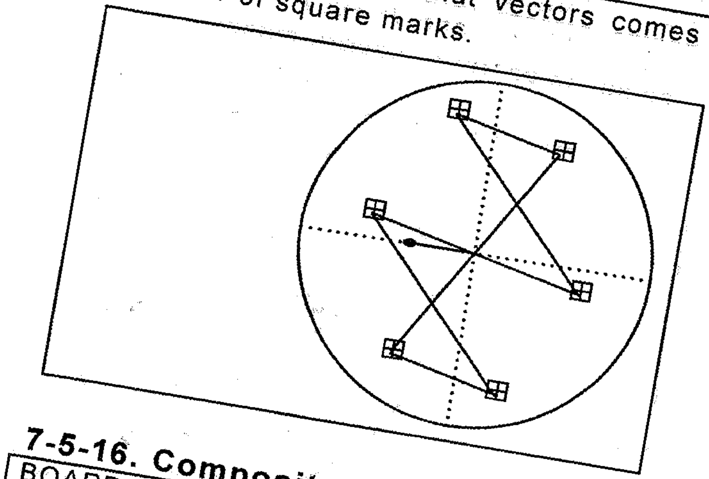
1. Adjust VR3709 so that Y level becomes 100IRE.



7-5-15. Component EE C Level Adj.

BOARD	VIDEO I/O
SPEC.	Center of square mark
TP	VIDEO Out
ADJ.	VR3710
INPUT	75% Color Bar (S-VIDEO)
MODE	EE
TAPE	-
M. EQ	Vector Scope

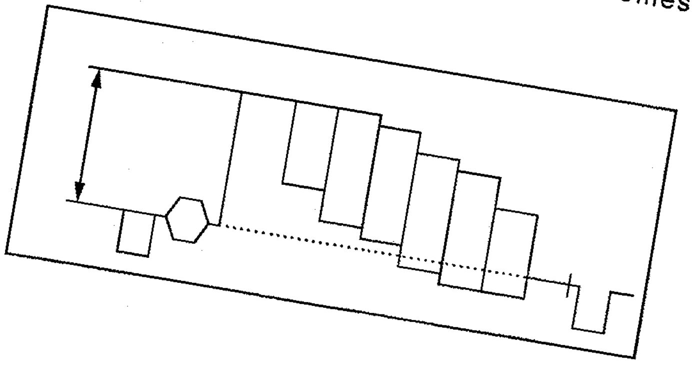
1. Adjust VR3710 so that vectors comes in center of square marks.



7-5-16. Composite EE Y Level Adj.

BOARD	VIDEO I/O
SPEC.	100±1IRE
TP	VIDEO Out
ADJ.	VR3203
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	WFM

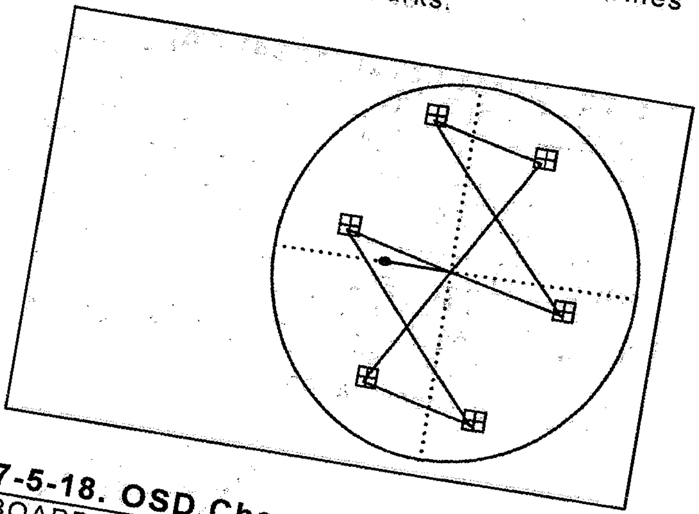
1. Adjust VR3203 so that Y level becomes 100IRE.



7-5-17. Composite EE C Level Adj.

BOARD	VIDEO I/O
SPEC.	Center of square mark
TP	VIDEO Out
ADJ.	VR3202
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Vector Scope

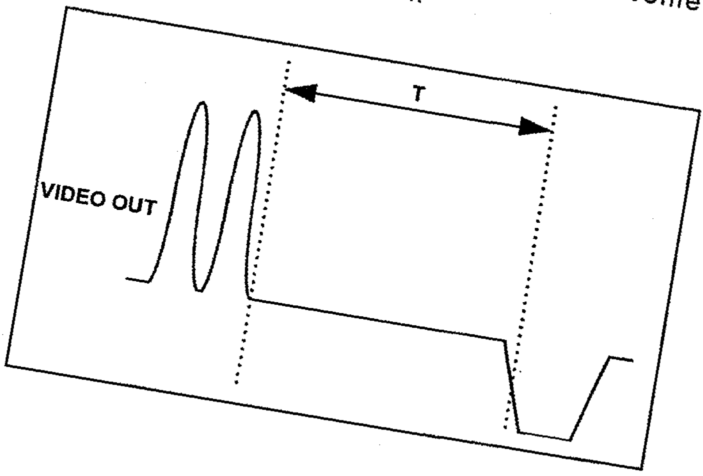
1. Adjust VR3202 so that vectors comes in center of square marks.



7-5-18. OSD Character Position Adj.

BOARD	VIDEO I/O
SPEC.	6±0,5us
TP	A29 (Extension)
ADJ.	VC3801
INPUT	Color Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

1. Adjust VC3801 so that T between Sync edge and end of character signal becomes in above specification.



7-5-19. Encoder SC FREQ Adj.

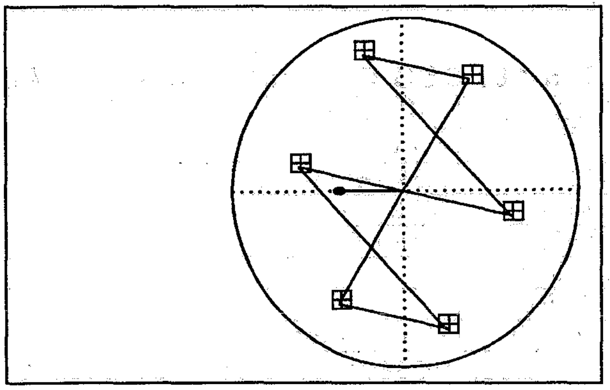
BOARD	VIDEO I/O
SPEC.	3579545±10Hz
TP	TP3509
ADJ.	VR3505
INPUT	-
MODE	PLAY
TAPE	VFM3580KM (Color Bar)
M. EQ	FREQ Counter

1. Adjust VR3505 so that Sub-carrier frequency becomes in above specification.

7-5-20. Burst Level (1394) Adj.

BOARD	VIDEO I/O
SPEC.	Burst =75%
TP	VIDEO Out
ADJ.	VR3903
INPUT	-
MODE	PLAY
TAPE	VFM3580KM
M. EQ	Vector Scope

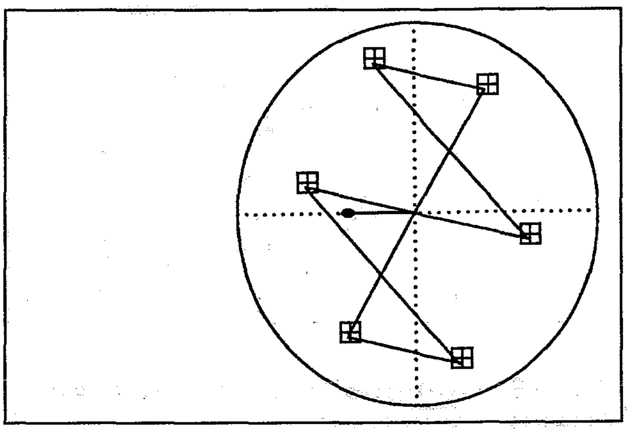
1. Adjust VR3903 so that burst level becomes in above specification.



7-5-21. C Level (1394) Adj.

BOARD	VIDEO I/O
SPEC.	Center of square marker
TP	VIDEO Out
ADJ.	VR3904 (PB) VR3902(PR)
INPUT	-
MODE	PLAY
TAPE	VFM3580KM
M. EQ	Vector Scope

2. Adjust VR3901 and VR3902 so that vectors comes in center of square maker.



7-6. INPUT TBC

7-6-1. W13.5M PLL Offset Adj.

BOARD	INPUT TBC
SPEC.	0±0.1V
TP	TP3302
ADJ.	FL3303
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

1. Adjust FL3303 so that DC level becomes in above specification.

7-6-2. Read 13.5M PLL Offset Adj.

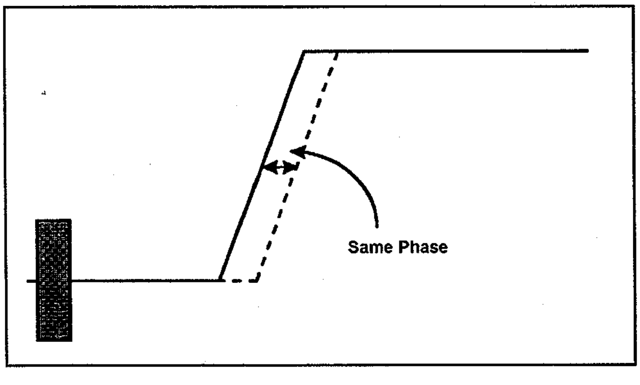
BOARD	INPUT TBC
SPEC.	0±0.1V
TP	TP3601
ADJ.	VC3601
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Oscilloscope

1. Adjust VC3601 so that DC level becomes in above specification.

7-6-3. Y Signal Timing Adj.

BOARD	INPUT TBC
SPEC.	0±40ns
TP	VIDEO Out
ADJ.	VR3302
INPUT	Color Bar
MODE	EE
TAPE	-
M. EQ	WFM

1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode.
2. Adjust VR3302 so that rising edge of Color bar signal becomes same phase.

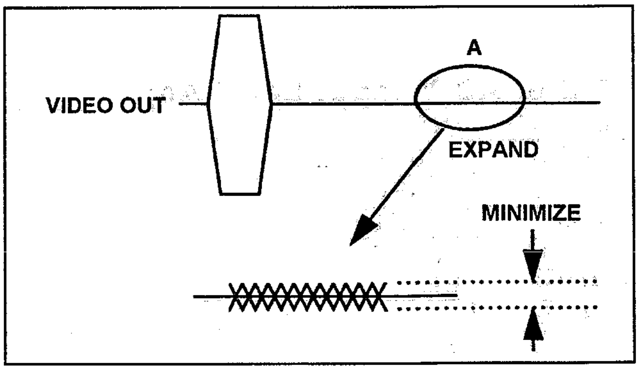


7-6-4. PR/PB Signal Balance Adj.

BOARD	INPUT TBC
SPEC.	Less than 4mVp-p
TP	VIDEO Out
ADJ.	VR324: PR CLAMP DC VR3206: PB CLAMP DC
INPUT	Flat Field 50%
MODE	EE
TAPE	-
M. EQ	WFM

This adjustment should be perform after warm-up more than 15 minute.

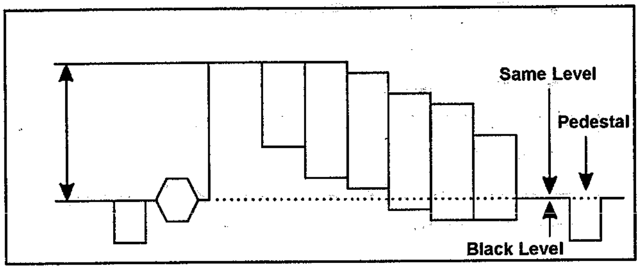
1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode
   WFM Set:
   - Single Line Sweep
   - Chroma Filter ON
   - MAG Mode
2. Connect short jumper between TP3601 and TG3601.
3. Adjust VR3204 and VR3206 multiple so that level becomes minimum.



7-6-5. AD Y CLAMP LEVEL Adj.

BOARD	INPUT TBC
SPEC.	Set-up level = Pedestal level ± 1IRE
TP	VIDEO Out
ADJ.	VR3202
INPUT	Color Bar (set up 0%)
MODE	EE
TAPE	-
M. EQ	WFM

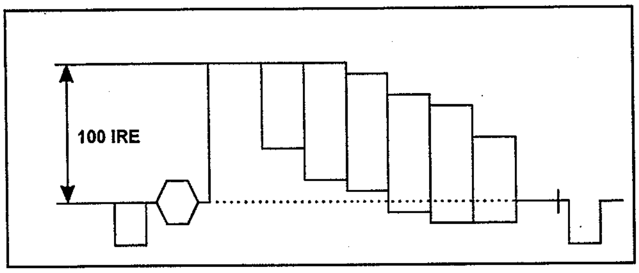
1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode.
2. Connect short jumper between TP3601 and TG3601.
3. Adjust VR3202 so that set-up level becomes pedestal level as equal.



7-6-6. AD Y Input Level Adj.

BOARD	INPUT TBC
SPEC.	100±1IRE
TP	VIDEO Out
ADJ.	VR3201
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	WFM

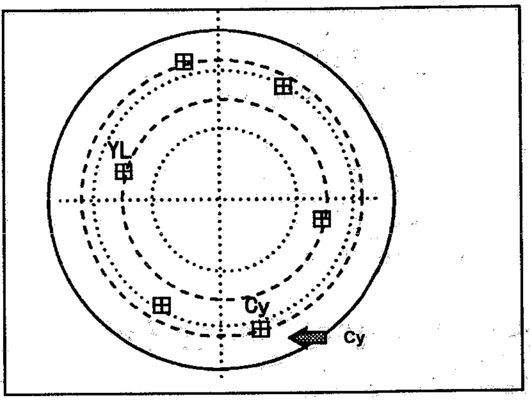
1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode.
2. Connect short jumper between TP3601 and TG3601.
3. Adjust VR3201 so that Y level becomes in above specification.



7-6-7. AD PR Level Adj.

BOARD	INPUT TBC
SPEC.	±0.5%
TP	VIDEO Out
ADJ.	VR3203
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Vector Scope

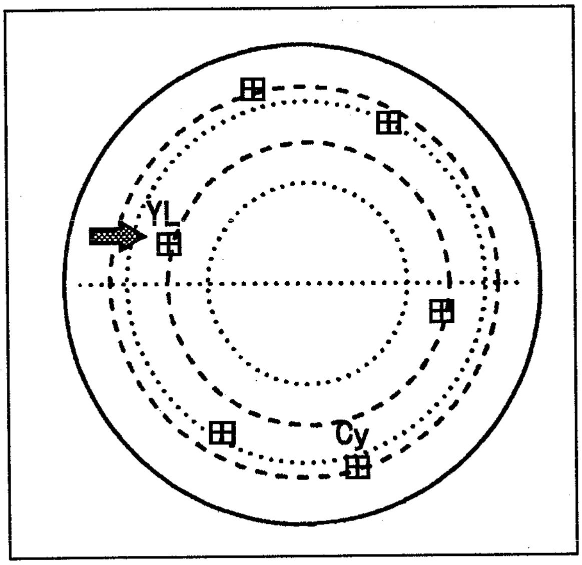
1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode.
2. Connect short jumper between TP3601 and TG3601.
3. Adjust VR3203 so that out side level becomes in square mark of Cyan.



7-6-8. AD PB Level Adj.

BOARD	INPUT TBC
SPEC.	±0.5%
TP	VIDEO Out
ADJ.	VR3205
INPUT	75% Color Bar
MODE	EE
TAPE	-
M. EQ	Vector Scope

1. Open the Service Menu and select "B00 : MODE SELECT" → "B12 : SHUFFLE EE" and set to ON mode.
2. Connect short jumper between TP3601 and TG3601.
3. Adjust VR3205 so that inside level becomes in square mark of Yellow.



7-6-9. P13.5M PLL Offset Adj.

BOARD	INPUT TBC
SPEC.	13.5MHz±10Hz
TP	A48 (Extension)
ADJ.	VR3801
INPUT	75% Color Bar
MODE	PLAY
TAPE	
M. EQ	Frequency Counter

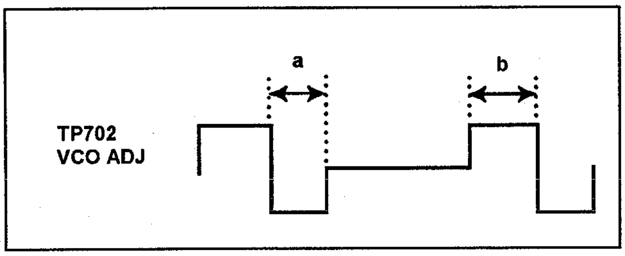
1. Connect short jumper between TP3801 and TP3802.
2. Adjust VR3801 so that frequency becomes in above specification.

7-7. DIGITAL CORE

7-7-1. Audio VCO Center Freq. 48K Adj.

BOARD	DIGITAL CORE
SPEC.	48.0±0.01KHz
TP	TP104, TP702
ADJ.	VR102
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	Frequency counter Oscilloscope

1. Confirm frequency at TP104 in above specification.
2. Confirm a = b at TP702 as below figure, if not adjust VR102 so that a and b becomes 20.8usec.



7-7-2. Audio VCO Center Freq. 32K Adj.

BOARD	DIGITAL CORE
SPEC.	32.0±0.01KHz
TP	TP104
ADJ.	VR101
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	Frequency Counter

1. Open the Service Menu and select "B00 : MODE SELECT" → "B11 : AD VCO TEST" and select 32/TST mode.
2. Adjust VR101 so that frequency becomes in above specification.

7-7-3. Audio VCO Center Freq. 44.1K Adj.

BOARD	DIGITAL CORE
SPEC.	44.1±0.01KHz
TP	TP104
ADJ.	VR103
INPUT	-
MODE	EJECT
TAPE	-
M. EQ	Frequency Counter

1. Open the Service Menu and select "B00 : MODE SELECT" → "B11 : AD VCO TEST" and select 44/TST mode.
2. Adjust VR103 so that frequency becomes in above specification.

7-8. RF

7-8-1. EQ Adj.

BOARD	RF
SPEC.	Error indication is minimum
TP	-
ADJ.	E02: AUTEQ TARGET E03: DELAY OFFSET E04: COMP LEVEL E05: CLOCK PHASE
INPUT	75% Color Bar
MODE	PLAY
TAPE	VFK3580KM (Color Bar)
M. EQ	BER Counter, TV Monitor

1. Connect BER Counter to DIGITAL CORE C.B.A.

VFK1228 (BER Counter Cable)

White Clip:	TP201 (SBE)
Blue Clip:	TP701 (CLK18)
Black Clip:	TG1 (GND)
Red Clip:	TP301 (HID)

2. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.

B01: REC DATA SEL	NORMAL
B02: ECC	ALL ON
B03: VITERBI	OFF
B04: CONCEL	ON
B05: PB HEAD	PB
B06: TRACKING	ATF
B07: MANUAL TRACK	0

3. Back to the Service Menu and select "E00: EQ ADJUST".
4. Insert the alignment tape (color bar position) and press [END]+[PALY] in place to playback mode.
5. Select "E04: COMP LEVEL" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
6. Select "E05: CLOCK PHASE" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
7. Repeat above step 3 and 4 again.
8. Select "E02: AUTEQ TARGET" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
9. Select "E03: DELAY OFFSET" and adjust this item so that error indication of Audio level meter and BER Counter Display becomes minimum by [DATA+] or [DATA-] buttons.
10. Press [MODE] button to exit.

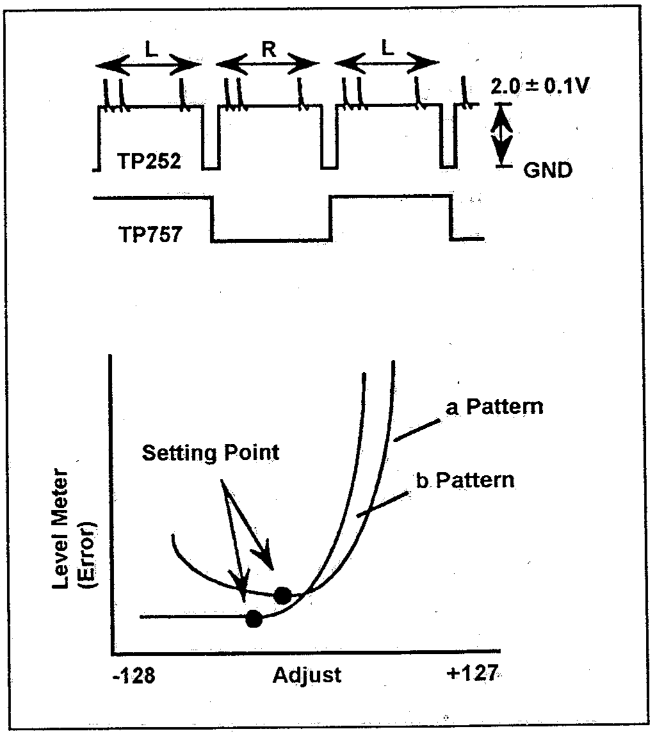
7-8-2. PB EQ Adj.

BOARD	RF
SPEC.	Error indication is minimum
TP	TP252, TP757
ADJ.	D12: PB MAG L D16: PB MAG R D11: PB PHASE L D15: PB PHASE R D13: PB A L D14: PB B L D17: PB A R D18: PB B R
INPUT	75% Color Bar
MODE	PLAY
TAPE	VFM3580KM (Color Bar)
M. EQ	Oscilloscope, TV Monitor

1. Connect BER Counter to DIGITAL CORE C.B.A.

VFK1228 (BER Counter Cable)
White Clip: TP201 (SBE)
Blue Clip: TP701 (CLK18)
Black Clip: TG1 (GND)
Red Clip: TP301 (HID)

2. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.
   B01: REC DATA SEL NORMAL
   B02: ECC ALL ON
   B03: VITERBI OFF
   B04: CONCEL ON
   B05: PB HEAD PB
   B06: TRACKING ATF
   B07: MANUAL TRACK 0
3. Back to the Service Menu and select "D00: PB ADJUST".
4. Select "D12: PB MAG L" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
5. Select "D16: PB MAG R" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
6. Select "D11: PB PHASE L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
7. Select "D15: PB PHASE R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
8. Select "D13: PB A L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
9. Select "D14: PB B L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
10. Select "D17: PB A R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
11. Select "D18: PB B R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
12. Press [MODE] button to exit.



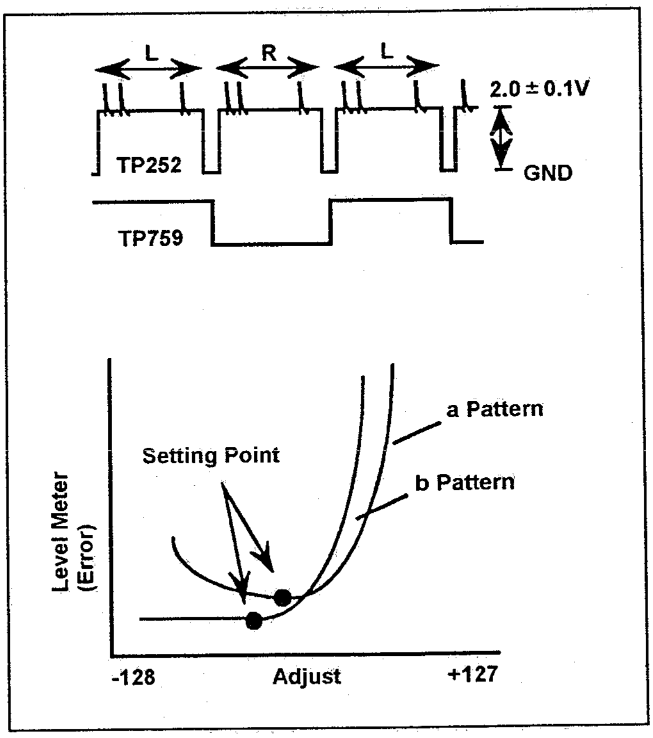
7-8-3. R/P Head EQ Adj.

BOARD	RF
SPEC.	Error indication is minimum
TP	TP252. TP759
ADJ.	D02: RP MAG L D06: RP MAG R D01: RP PHASE L D05: RP PHASE R D03: RP A L D04: RP B L D07: RP A R D08: RP B R
INPUT	75% Color Bar
MODE	PLAY
TAPE	VFM3580KM
M. EQ	Oscilloscope, TV Monitor

1. Connect BER Counter to DIGITAL CORE C.B.A.

VFK1228 (BER Counter Cable)
White Clip: TP201 (SBE)
Blue Clip: TP701 (CLK18)
Black Clip: TG1 (GND)
Red Clip: TP301 (HID)

2. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.
   B01: REC DATA SEL
   NORMAL
   B02: ECC ALL ON
   B03: VITERBI OFF
   B04: CONCEL ON
   B05: PB HEAD PB
   B06: TRACKING ATF
   B07: MANUAL TRACK 0
3. Back to the Service Menu and select "D00: PB ADJUST".
4. Select "D02: RP MAG L" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
5. Select "D06: RP MAG R" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
6. Select "D01: RP PHASE L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
7. Select "D05: RP PHASE R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
8. Select "D03: RP A L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
9. Select "D04: RP B L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
10. Select "D07: RP A R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
11. Select "D08: RP B R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
12. Press [MODE] button to exit.



7-8-4. DV Tape EQ Adj.

BOARD	RF
SPEC.	Error indication is minimum
TP	TP252. TP759
ADJ.	D22: DV MAG L D26: DV MAG R D21: DV PHASE L D25: DV PHASE R D23: DV A L D24: DV B L D27: DV A R D28: DV B R
INPUT	75% Color Bar
MODE	PLAY
TAPE	VFM3010EDS
M. EQ	Oscilloscope, TV Monitor

1. Connect BER Counter to DIGITAL CORE C.B.A.

VFK1228 (BER Counter Cable)

White Clip: TP201 (SBE)

Blue Clip: TP701 (CLK18)

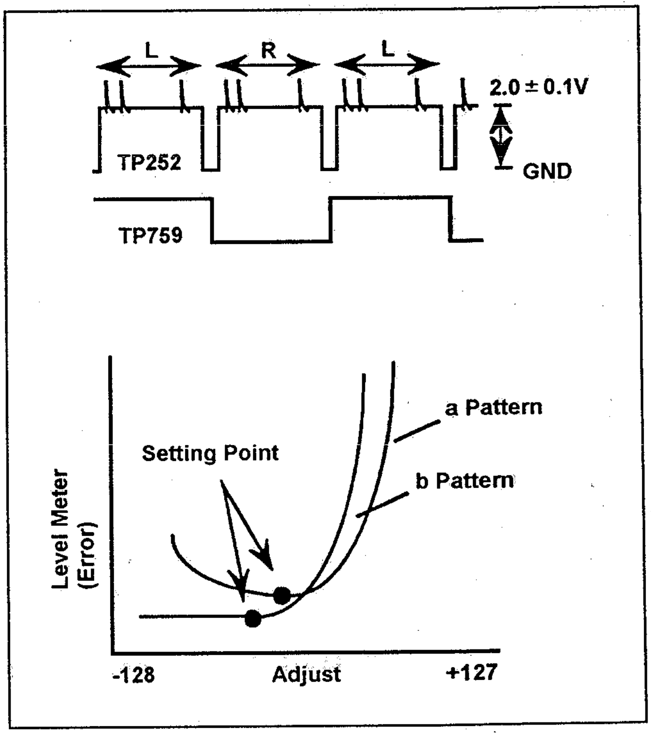
Black Clip: TG1 (GND)

Red Clip: TP301 (HID)

2. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.

   B01: REC DATA SEL NORMAL
   B02: ECC ALL ON
   B03: VITERBI OFF
   B04: CONCEL ON
   B05: PB HEAD PB
   B06: TRACKING ATF
   B07: MANUAL TRACK 0

3. Back to the Service Menu and select "D00: PB ADJUST".
4. Select "D22: DV MAG L" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
5. Select "D26: DV MAG R" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
6. Select "D21: DV PHASE L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
7. Select "D25: DV PHASE R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
8. Select "D23: DV A L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
9. Select "D24: DV B L" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
10. Select "D27: DV A R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
11. Select "D28: DV B R" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
12. Press [MODE] button to exit.



7-8-5. PB EQ Data Save

1. Select "D30: PB DEFAULT" and press "SET" button.
2. Press "UP" button and changes to "SAVE" then press "SET" button.
3. Press [MODE] to exit.

7-8-6. Viterbi Adj.

BOARD	RF
SPEC.	
TP	-
ADJ.	B08: VTB A/2
INPUT	75% Color bar
MODE	PLAY
TAPE	VFM3580KM VFM3010EDS
M. EQ	TV Monitor

1. Connect BER Counter to DIGITAL CORE C.B.A.

VFK1228 (BER Counter Cable)

White Clip:	TP201 (SBE)
Blue Clip:	TP701 (CLK18)
Black Clip:	TG1 (GND)
Red Clip:	TP301 (HID)

2. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.

B01: REC DATA SEL NORMAL	
B02: ECC	ALL ON
B03: VITERBI	OFF
B04: CONCEL	ON
B05: PB HEAD	PB
B06: TRACKING	ATF
B07: MANUAL TRACK	0

3. Back to the Service Menu and select "B00: MODE SELECT".
4. Insert DVCPRO alignment tape and press [END]+[PLAY], playback color bar position.
5. Select "B08: VTB A/2" and adjust this item so that error indication of Audio level meter and BER Counter display becomes minimum by [DATA+] or [DATA-] buttons.
6. Confirm error indication is less than 6 LED lights.
7. Press [DOWN] back to "B05: PB HEAD" and press [DATA-] changes to "R/P" mode.
8. Confirm error indication is less than 11 LED lights.
9. Press [DOWN] back to "B05: PB HEAD" and press [DATA-] changes to "PB" mode and press [EJECT].
10. Insert DV color alignment tape and press [END]+[PLAY].
11. Confirm error indication is less than 12 LED lights.
12. Press [EJECT] and [MODE] to exit.

7-8-7. REC Current Adj.

BOARD	RF
SPEC.	
TP	TP252, TP757
ADJ.	
INPUT	75% Color Bar
MODE	REC
TAPE	
M. EQ	Oscilloscope

1. Open the Service Menu and select "C00: REC ADJUST".
2. Insert recording tape and press [END]+[REC]+[PLAY], recording color bar signal.
3. Select "C01: REC CURR L" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
4. Select "C02: REC CURR R" and adjust this item so that TP252 level becomes 2.0± 0.1V by [DATA+] or [DATA-] buttons.
5. Press [END]+[PAUSE].
6. Set the LOCAL/MENU/REMOTE switch to LOCAL position.
7. Select CTL counter display mode by COUNTER switch and reset count to 0000.
8. Press [PAUSE], unit place in recording mode and record signal about 10 seconds. Press [PAUSE] again.
9. Set the LOCAL/MENU/REMOTE switch to MENU position.
10. Open "C00: REC ADJUST" and select "C01: REC CURR R".
11. Press [UP] 10 times and add 10 for current value.
12. Select "C02: REC CURR L".
13. Press [UP] 10 times and add 10 for current value.
14. Repeat above step 6 to 13 two times.
15. Set the LOCAL/MENU/REMOTE switch to LOCAL position.
16. Rewound tape to CTL 0000 count position.
17. Connect BER Counter to DIGITAL CORE C.B.A.

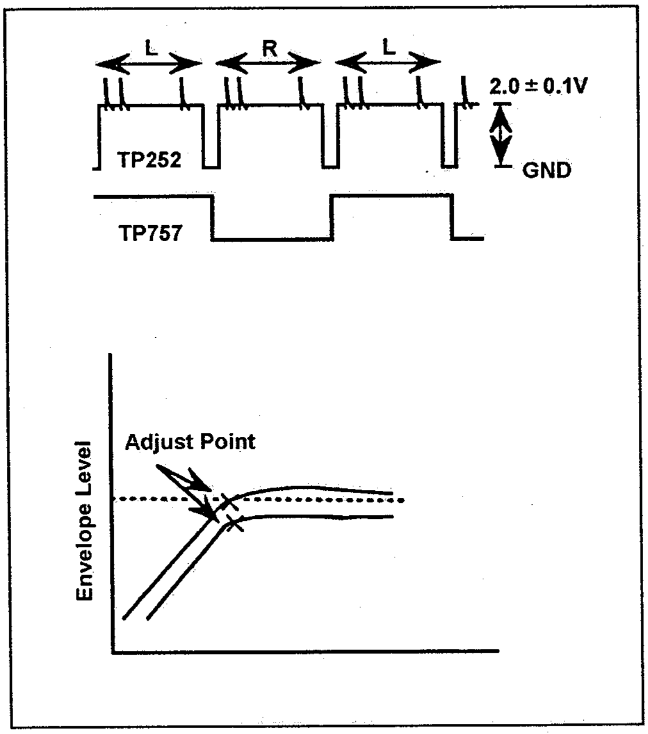
VFK1228 (BER Counter Cable)

White Clip:	TP201 (SBE)
Blue Clip:	TP701 (CLK18)
Black Clip:	TG1 (GND)
Red Clip:	TP301 (HID)

18. Open the Service Menu and select "B00: MODE SELECT", press [SET] and confirm mode setting as below.

B01: REC DATA SEL NORMAL	
B02: ECC	ALL ON
B03: VITERBI	OFF
B04: CONCEL	ON
B05: PB HEAD	PB
B06: TRACKING	ATF
B07: MANUAL TRACK	0

19. Back to the Service Menu mode.
20. Set BER Counter to L head side.
21. Press [END]+[PLAY], playback recorded portion and measure average error count on the BER Counter.
22. Make memo average count for each setting value of REC Adjust.
23. Back to "C00: REC ADJUST" menu and set L REC current value to most minimum point of above memo.
24. Repeat same step for R head.
25. Press [MODE], back to Main menu.



7-8-8. REC Data Save

1. Select "C05: REC DEFAULT" and press "SET" button.
2. Press "UP" button and changes to "SAVE" then press "SET" button.
3. Press [MODE], back to Main menu.

7-9. AUDIO

7-9-1. Input Level Adj.

BOARD	AUDIO
SPEC.	-8dBV±0.5dB
TP	Line Out
ADJ.	VR4001: CH1 VR4002: CH2
INPUT	-8dBV, 1KHz
MODE	STOP
TAPE	-
M. EQ	V.T.V.M

1. Adjust VR4001 for channel 1 and VR4002 for Channel 2 so that line out level becomes in above specification.

7-9-2. Audio Level Meter Adj.

BOARD	AUDIO
SPEC.	Indicate -20dB
TP	-
ADJ.	VR4201: CH1 VR4202: CH2
INPUT	-8dBV, 1KHz
MODE	STOP
TAPE	-
M. EQ	-

1. Adjust VR4201 for channel 1 and VR4202 for Channel 2 so that Audio level meter indicate -20dB position.

7-9-3. CUE PB Level Adj.

BOARD	AUDIO
SPEC.	-8dBV±0.5dB
TP	Line Out
ADJ.	VR4401
INPUT	-
MODE	PLAY
TAPE	VFM3580KM
M. EQ	V.T.V.M

1. Adjust VR4401 so that line out level becomes in above specification.

7-9-4. CUE Bias Current Adj.

BOARD	AUDIO
SPEC.	6.5mVrms±0.3mV
TP	TP4302: HOT TP4303: GND
ADJ.	VR4301
INPUT	-
MODE	REC
TAPE	-
M. EQ	V.T.V.M

1. Adjust VR4301 so that line out level becomes in above specification.

7-9-5. CUE REC/PB Level Adj.

BOARD	AUDIO
SPEC.	-8dBV±1dB
TP	Line Out
ADJ.	VR4302
INPUT	-
MODE	Self REC/PLAY
TAPE	Blank tape
M. EQ	V.T.V.M

1. Adjust VR4301 so that line out self recording level becomes in above specification.

Memo

SECTION 6

Digital Video Interface Board
AJ-YAD230P

Specifications

■ **Digital video interface board**
Dimensions (W×H×D) :
6 3/16″×4 3/16″×1 1/16″ (157×105×26 mm)
Weight : 0.3036 lb (138 g)
Power consumption : 2 W

- **Items packed with board**
  ROM IC (VSI 2830)
  Display label
  9-pin/25-pin conversion connector

Model supported

Digital VTR: **AJ-D230H**

Features

This product is a digital video interface board which is designed exclusively for use in the AJ-D230H VTR.
Installing this board in the AJ-D230H creates an environment in which the AV signal or time codes can be transmitted digitally between AJ-D230H units. (IEEE1394-1995 standard complied with)
An RS-232C connector (9-pin) is provided as a standard accessory.
RS-232C control is enabled using the accessory 9-pin/25-pin conversion connector.

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   Installing the board in the AJ-D230H .... *E– 4*
   Equipment connections .... *E– 8*
   AJ-D230H settings .... *E– 10*
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5. 1394-DIF OVERALL BLOCK DIAGRAM 16

1. OPERATING INSTRUCTIONS

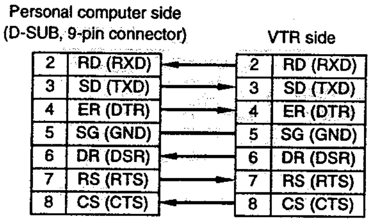
RS-232C hardware specifications

External interface specifications

Connector:
D-SUB, 9 pins, DCE specifications (straight cable supported)

Pin No.	Signal	Description
2	RD (RXD)	Received data
3	SD (TXD)	Transmitted data
4	ER (DTR)	Data terminal ready
5	SG (GND)	Signal ground
6	DR (DSR)	Data set ready
7	RS (RTS)	Request to send
8	CS (CTS)	Clear to send

Example of wiring connections


Personal computer side
(D-SUB, 9-pin connector)
VTR side
2 RD (RXD)
3 SD (TXD)
4 ER (DTR)
5 SG (GND)
6 DR (DSR)
7 RS (RTS)
8 CS (CTS)
2 RD (RXD)
3 SD (TXD)
4 ER (DTR)
5 SG (GND)
6 DR (DSR)
7 RS (RTS)
8 CS (CTS)

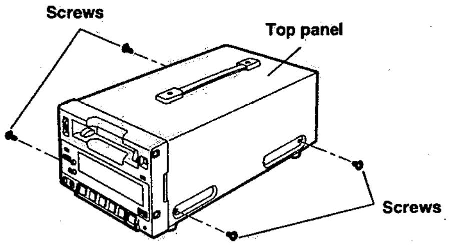
For details on other specifications relating to RS-232C, refer to the operating instructions of the AJ-D230H.

Installing the board in the AJ-D230H

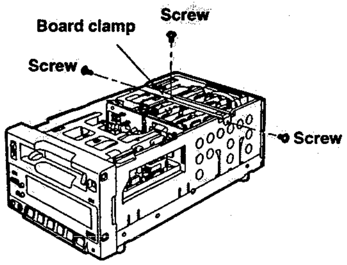
This board must be installed in the AJ-D230H for use. Follow the steps below for installation.

- **The AJ-D230H's power cord must be disconnected before proceeding with installation.**

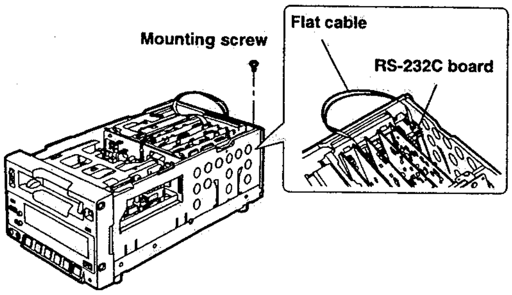
1. Take out the four screws on both side panels of the AJ-D230H, and remove the top panel.


Screws
Top panel
Screws

2. Remove the three screws, and remove the board clamp.


Board clamp
Screw
Screw
Screw

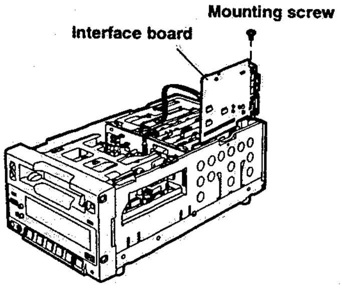
3. Disconnect the RS-232C board's flat cable, and undo the mounting screw to remove the RS-232C board.


Mounting screw
Flat cable
RS-232C board

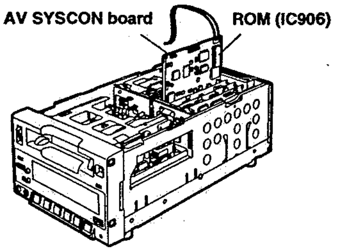
4. Insert the interface board in the position previously occupied by the RS-232C board, and screw it in place.

<Notes>

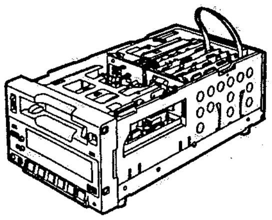
- Do not connect the flat cable.


Mounting screw
Interface board

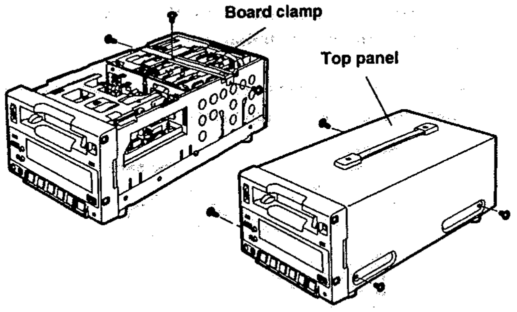
5. Pull out the AV SYSCON board, and replace the ROM (IC906) on the board with the ROM (VSI 2830) accompanying the interface board.


AV SYSCON board
ROM (IC906)

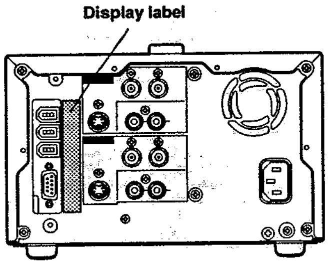
6. Insert the AV SYSCON board again, and connect the flat cable to the interface board.



7. Attach the board clamp, and mount the top panel. (These parts must be installed securely using the screws.)

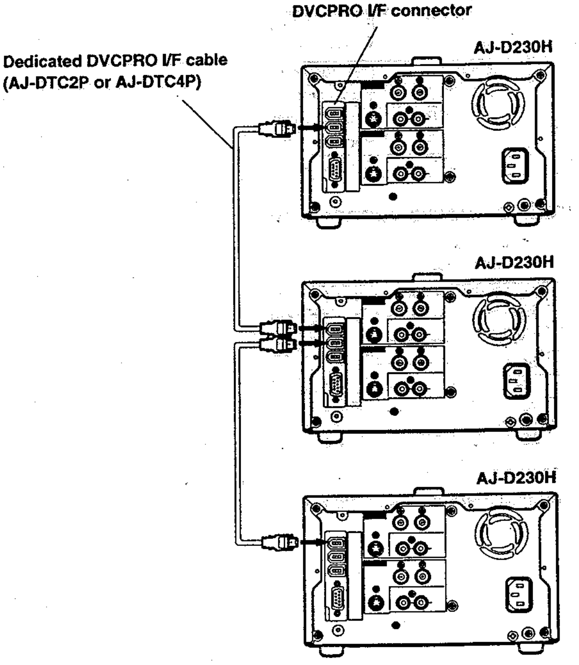


8. Affix the display label packed together with the interface board to the rear panel.



Equipment connections

Use a dedicated DVCPRO I/F cable (AJ-DTC2P or AJ-DTC4P) to connect the AJ-D230H.
(The input/output pins on the DVCPRO I/F connector are bidirectional. No distinction is made between the input and output sides.)



<Notes>

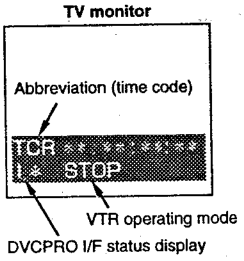
- Use a dedicated DVCPRO I/F cable (AJ-DTC2P or AJ-DTC4P) for the connection.
- Avoid a loop connection since this will prevent the units from operating properly.
- The maximum number of the AJ-D230H which can be connected is three.
- The AV signals may be disturbed when the power of the connected units is turned ON or OFF and when the I/F cable is plugged in or disconnected.
- It may take several seconds for the system operation to stabilize when the input signals are selected or the mode is changed. Wait until the system operation has stabilized before proceeding to record.
- When a DVCPRO I/F input is used, the analog video output signals in the EE mode do not comply with the RS-170A standard. All video output signals are for monitoring purposes. Do not use them for recording or other such applications (although they can be used for playback). Although the distinctions between the colors may become blurred with color bar signals and other dark-shaded color signals, no problems are posed when it comes to recording them on the tape in the main unit.
- If the analog video input is a non-standard signal such as VHS, the picture and sound on the receiver connected by the DVCPRO I/F may be disturbed.
- The volume recording level control on the front panel does not function while recording with the DVCPRO I/F input is in progress.
- Signal input for the consumer-use DV format is not supported.
- When a consumer-use DV format tape is played back on the AJ-D230H, the 1394 output will be set to the DV format.

AJ-D230H settings

1. When two or more AJ-D230H units are to be connected, set the INPUT SELECT switch (front panel) of the AJ-D230H unit at the receiving end to the OPTION position.
2. The set-up menus for the AJ-D230H units at both the sending and receiving ends are now opened. (Set the LOCAL/MENU/REMOTE switch on the front panel to MENU.)
3. Check that the set-up menu item No.803 (DIF OUTPUT CH) at the sending end and the set-up menu item No.802 (DIF INPUT CH) at the receiving end match. If they do not match, adjust the channel settings.

Superimposed display screen

When "T.STA" is used as the "DISPLAY SEL" set-up menu item setting, the superimposed screen appearing on the TV monitor which is connected to the MONITOR OUT connector looks as shown below.



Display	DVCPRO I/F status
I	DVCPRO signal is received.
I * (* denotes flashing)	Signal reception mode is established but packet is not present or there is some other problem.
O	DVCPRO signal is transmitted.
O *	DV signal is transmitted.
O * (* denotes flashing)	Signal transmission mode is established but signals cannot be transmitted.
No display	Stop mode

AJ-D230H set-up menus

The set-up menus change as follows once the interface board is installed in the AJ-D230H.

Item		Setting		Description of settings
No.	Super-imposed display	No.	Super-imposed display	
208	REMOTE SEL	0000 0001	1394 RS-232C	This sets the external control. 0: Control is exercised by the DVCPRO I/F AV/C command. 1: Control is exercised by the RS-232C (9pin D-SUB) connector. **<Notes>** • Menu item No.204 (ACK RETURN) must be set to ON (0001) if control is to be exercised by the 1394 settings. • A change made to the REMOTE SEL setting will take effect only when the power is turned off after the setting has been changed and then turned back on.
507	TC MODE	0000 0001 0002 0003	P-REC P-FREE I-REGEN EXT-TC	This sets the time code mode. 0: The time code generator is used in the REC RUN mode. 1: The time code generator is used in the FREE RUN mode. 2: The time code generator is used in the internal regeneration mode. 3: When the INPUT SELECT switch is at the LINE/S-VIDEO position, VITC is selected; when it is at the OPTION position, the DVCPRO I/F time code input is selected.

The underlined number and item are the factory settings.

Item		Setting		Description of settings
No.	Super-imposed display	No.	Super-imposed display	
800	DIF SPEED	0000 0001	S100 S200	This sets the DVCPRO I/F transmission rate. 0: 100 Mbps 1: 200 Mbps
802	DIF INPUT CH	0000 : 0063	0 : 63	This selects the DVCPRO I/F input channel. (See page E-10)
803	DIF OUTPUT CH	0000 : 0063	0 : 63	This selects the DVCPRO I/F output channel. (See page E-10)
805	DIF REC SEL	0000 0001	ERASE STOP	This sets the mode when the input data cannot be recorded. 0: The erase (all data erase) mode is set. 1: Recording is stopped. **<Notes>** • "E-02" is displayed on the front panel while erase (all data erase) mode is in progress. • Recording is not possible with consumer-use DV signals.

The underlined number and item are the factory settings.

AJ-D230H VTR modes and input/output statuses

VTR mode	INPUT SELECT switch (front panel) position	S/F/R EE SEL (set-up menu item No.102)	Input signal status	DVCPRO I/F mode	VIDEO OUT MONITOR OUT	AUDIO OUT HEADPHONE
STOP	LINE/S-VIDEO	EE	○	Output EE (LINE/S-VIDEO)	EE (LINE/S-VIDEO)	EE (AUDIO IN)
			×	Output stop	Black	No output
		TAPE	*	Output TAPE	TAPE	No output
	OPTION	*	○	Input	1)	EE (DVCPRO I/F)
			×	Input stop	Black	No output
FF REW	LINE/S-VIDEO	EE	○	Output TAPE	EE (LINE/S-VIDEO)	EE (AUDIO IN)
			×	Output TAPE	Black	No output
		TAPE	*	Output TAPE	TAPE	TAPE (CUE)
	OPTION	*	*	Output TAPE	TAPE	TAPE (CUE)
STANDBY OFF	LINE/S-VIDEO	EE	○	Output EE (LINE/S-VIDEO)	EE (LINE/S-VIDEO)	EE (AUDIO IN)
			×	Output stop	Black	No output
		TAPE	*	Output stop	Black	No output
	OPTION	*	○	Input	1)	EE (DVCPRO I/F)
			×	Input stop	Black	No output
PLAY/PAUSE Frame feed SEARCH	*	*	*	Output TAPE	TAPE	TAPE
REC/PAUSE	LINE/S-VIDEO	*	○	Output EE (LINE/S-VIDEO)	EE (LINE/S-VIDEO)	EE (AUDIO IN)
			×	Output stop	Black	No output
	OPTION	*	○	Input	1)	EE (DVCPRO I/F)
			×	Input stop	Black	No output
EJECT	LINE/S-VIDEO	*	○	Output EE (LINE/S-VIDEO)	EE (LINE/S-VIDEO)	EE (AUDIO IN)
			×	Output stop	Black	No output
	OPTION	*	○	Input	1)	EE (DVCPRO I/F)
			×	Input stop	Black	No output

Once this board is installed in the AJ-D230H, the displays or operation of functions for some of the AJ-D230H menu settings or modes may differ from the time before the board is installed.

<Notes>

* : This does not depend on the status.
○ : Normal signal
× : No signal
1) : This is a non-standard signal and, as such, it can be used only for monitoring purposes.

Memo

SECTION 7

EXPLODED VIEWS & REPLACEMENT PARTS LIST

Note:
1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board units marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark <!> have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.

<<Abbreviations for part>>

<NAME>			<DESCRIPTIONS>
C. CAPACITOR		:	CERAMIC CAPACITOR
C. CAPACITOR	CH	:	CERAMIC CHIP CAPACITOR
E. CAPACITOR		:	ELECTROLYTIC CAPACITOR
G. CAPACITOR		:	GLASS CAPACITOR
M. CAPACITOR		:	MICA CAPACITOR
P. CAPACITOR		:	PLASTIC FILM CAPACITOR
S. CAPACITOR		:	SEMI-CONDUCTOR CAPACITOR
T. CAPACITOR		:	TANTALUM CAPACITOR
TRIMMER		:	TRIMMER
C. RESISTOR		:	CARBON RESISTOR
F. RESISTOR		:	FUSE RESISTOR
M. RESISTOR		:	METAL OXSIDE RESISTOR
M. RESISTOR	CH	:	METAL OXSIDE CHIP RESISTOR
S. RESISTOR		:	SOLID RESISTOR
V. RESISTOR		:	VARIABLE RESISTOR
W. RESISTOR		:	WIRE WOUND RESISTOR
COMBI. TR-R		:	TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R		:	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R		:	CAPACITOR-RESISTOR COMBINATION PARTS
COMBI. C-R-R		:	CAPACITOR-RESISTOR-COIL COMBINATION PARTS
P.C. BOARD		:	PRINTED CIRCUIT BOARD
W/COMPONENT		:	WITH COMPONENT

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D230HP

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YAD230P

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SERVICING FIXTURES & TOOLS

AJ-D230HP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145	BACK TENSION METER(T2-M30	1	
2	VFK1149	POST DRIVER	1	
3	VFK71	DIAL TORQUE GAUGE(150G)	1	
4	VFK1191	DIAL TORQUE GAUGE(45G)	1	
5	VFK1152	DIAL TORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER(1.5	1	
7	VFK1154	POST HEIGHT FIXTURE	1	
8	VFK1153	MECH. NEUTRAL PLATE(POST)	1	
9	VFK1157	MECH. NEUTRAL PLATE(CASSE	1	
10	VFK1155	NEUTRAL POSITION TOOL(GOL	1	
11	VFK1156	NEUTRAL POSITION TOOL(BLA	1	
12	VFK1208	NEUTRAL POSITION TOOL(BLA	1	
13	VFK1150	NUT DRIVER(5.5MM)	1	
14	VFK1151	NUT DRIVER(2.5MM)	1	
15	VFK1188	DIAL TENSION GAUGE(30G)	1	
16	VFK0948A	CHECK LIGHT	1	
17	VFK0749	FROIRAL GREASE(FOR PLASTI	1	
18	MOR265	MOLYTONE GREASE(FOR METAL	1	
19	VFK1146	PHILIPS DRIVER(FINE)(00-7	1	
20	VFK1147	PHILIPS DRIVER(FINE)(0-10	1	
21	VFK1148	HEX. DRIVER(1.5)	1	
22	VFK1178	HEX. DRIVER(0.89)	1	
23	VFK1179	HEX. DRIVER(0.71)	1	
24	VFK1190	HEX. WRENCH	1	
25	VFK1209	TORQUE DRIVER(0.4-3KG)	1	
26	VFK0912	POST AXIS DRIVER(1.5MM)	1	
27	VFK1300	A/D BOARD(DAQ-12, QUATECH)	1	
28	VFM3580KM	ALIGNMENT TAPE(NO.1)	1	
29	VFM3581KM	ALIGNMENT TAPE(NO.2)	1	
30	VFM3582KM	ALIGNMENT TAPE(NO.3)	1	
32	VFK1159	LISTA SOFTWARE	1	
33	VFK1186	LISTA CABLE	1	
34	VFK0369	TWEEZERS	1	
35	VFK0371	RADIO PRIER	1	
36	VFK0372	CUTTER PRIER	1	
37	VFK0338	TRIMMER ADJUSTMENT DRIVER	1	
38	VFK0337	PHILIPS DRIVER	1	
39	VFM3000EDS	ALIGNMENT TAPE(DV LISTA)	1	
40	VFM3010EDS	ALIGNMENT TAPE(DV COLOR B	1	
45	VFK1160B	RF ADJUSTMENT SOFT	1	
46	VFK1163	RF ADJUSTMENT TOOL	1	

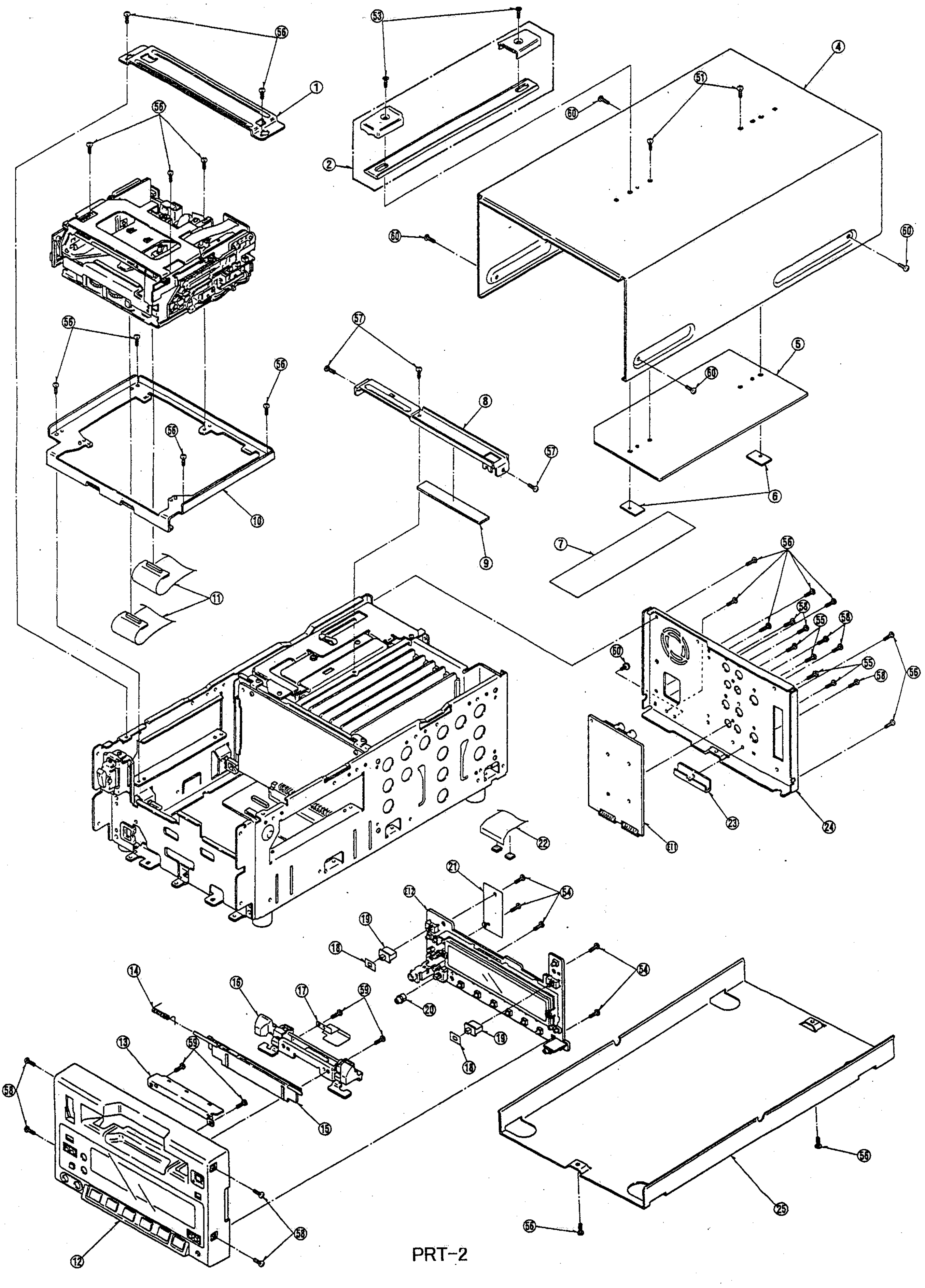
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP5356	MECHANISM UNIT FIXING PLATE	1	
2	VYH0257	HANDLE	1	
4	VGM1386	TOP PLATE	1	
5	VMP5366	TOP COVER PLATE	1	
6	VGF0701	SCREW CAP	2	
7	VMZ2325	TOP PANEL BARRIER	1	
8	VMP5354	P.C.BOARD FIXING ANGLE	1	
9	VMX2674	P.C.B. HOLDER GUM	1	
10	VXA5937	CHASSIS HOLDER FRAME U	1	
11	VEP00Y68A	FLEXIBLE CABLE C.B.A.	1	
12	VYP6962	FRONT PANEL (1) ASS'Y	1	
13	VMP5385	TOP COVER ANGLE	1	
14	VMB2923	BLINDER SPRING	1	
15	VKF2785	BLINDER PANEL	1	
16	VYQ1401	CASSETTE GUIDE U	1	
17	VGF0706	FLEXIBLE CABLE BARRIER	1	
18	VGF0687	SLIDE SW SHEET	2	
19	VGU5582	SWITCH KNOB	2	
20	VGU5067	VOLUME KNOB	1	
21	VMZ2714	AC CABLE BARRIER	1	
22	VWJ24AW270M0	FRONT FLAT CABLE	1	
23	VMP5369	CONNECTOR ANGLE	1	
24	VJH0985	REAR JACK PLATE	1	
25	VKU0526	BOTTOM PLATE	1	
51	XSB26+6FZ	SCREW	2	
52	XSB4+8FCW	SCREW	4	
53	XSS4+14FZ	SCREW	2	
54	XTN4+10G	SCREW	5	
55	XTV3+10GFZ	SCREW	4	
56	XTV3+6F	SCREW	11	
57	XTV3+6FFR	SCREW	3	
58	XTV3+6FFZ	SCREW	9	
59	XTV3+8G	SCREW	4	
60	XYE4+EF8	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

CASING PARTS ASSEMBLY



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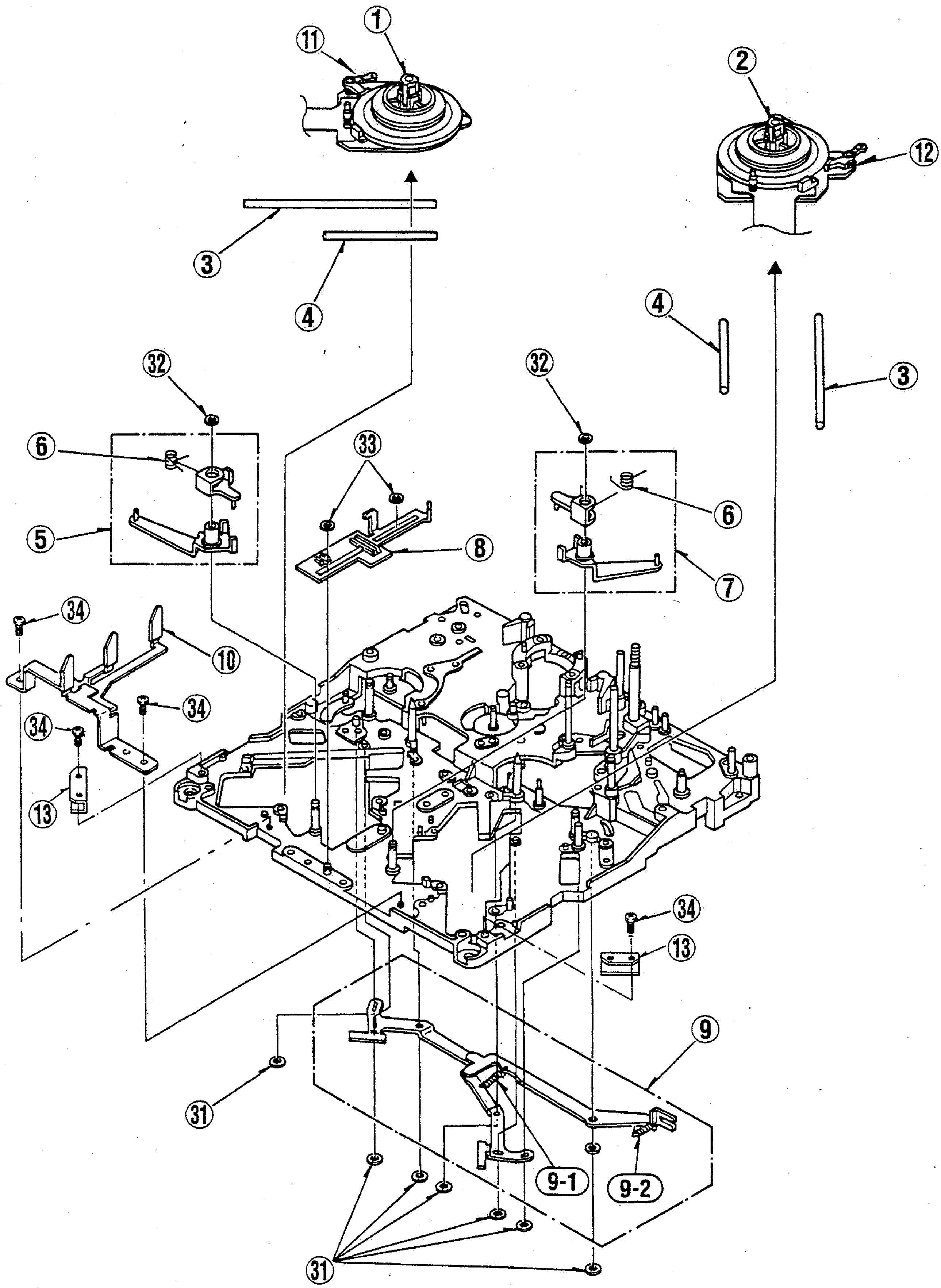
MECHANICAL CHASSIS ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VEM0635	S REEL MOTOR A U.	1	(M)
2	VEM0636	T REEL MOTOR A U.	1	(M)
3	VMS5923	REEL OUTER RAIL	2	
4	VMS5924	REEL INNER RAIL	2	
5	VXL2589	S BASE DRIVE ARM U.	1	
6	VMB2944	CHARGE SPRING	2	
7	VXL2590	T BASE DRIVE ARM U.	1	
8	VXA5625	SLIDE ROD U.	1	
9	VXL2597	M STOPPER DRIVE ARM U.	1	
9-1	VMB2955	M STOPPER SPRING (1)	1	
9-2	VMB3017	M STOPPER SPRING (2)	1	
10	VXA6174	L-M RELEASE ANGLE ASS'Y	1	
11	VXZ0424	S BRAKE ARM ASS'Y	1	
12	VXZ0425	T BRAKE ARM ASS'Y	1	
13	VMZ2603	REEL FLEX.COVER	1	
31	VMX1061	WASHER	7	
32	VMX1079	CUT WASHER	2	
33	VMX1394	CUT WASHER	2	
34	XQN2+CF3	SCREW	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (1)



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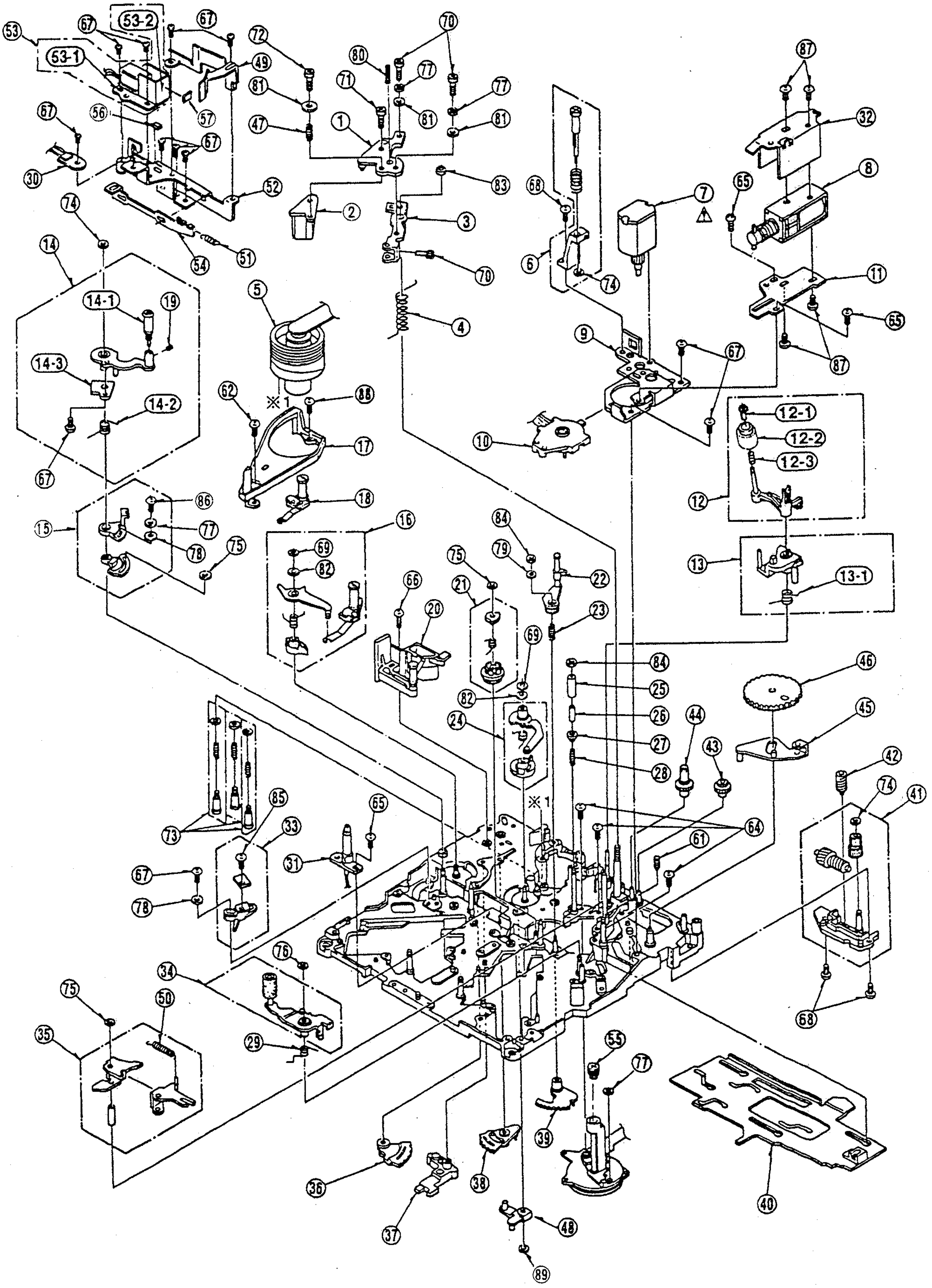
MECHANICAL CHASSIS ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) U	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
5	VEG1457	CYLINDER UNIT	1	(M)
6	VXA5715	EMARGENCY SHIFT HOLDER U	1	
⚠ 7	VEM0645	LOADING MOTOR (1) AU	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584	MOTOR ANGLE U.	1	
10	VES0814	MODE SW U	1	(M)
11	VMA9376	PINCH SOLENOID BASE	1	
12	VXL2748	CLEANING ARM AU	1	(M)
12-1	VMX2150	CLEANER ROLLER HOLDER	1	
12-2	VXP1808	CLEANER ROLLER UNIT	1	
12-3	VMB3114	CLEANER ROLLER SPRING	1	
13	VXL2707	T2 ARM U.	1	
13-1	VMB2932	T2 ARM SPRING	1	
14	VXL2832	TENSION ARM S ASS'Y	1	(M)
14-1	VXP1761	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER N ASS'Y	1	
15	VXA5791	TENSION LEG SPRING HOOK U	1	
16	VXL2812	S1 LOADING ARM N ASS'Y	1	(M)
17	VMD2533	LOADING RAIL	1	
18	VXA6108	T1 BOAT ASS'Y	1	(M)
19	VHD0561	HEX SCREW	1	
20	VXA6052	S POST BASE AU.	1	(M)
21	VXP1683	T4 CONNECTION GEAR U	1	
22	VXL2772	T4 ARM U	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2842	T LOADING ARM N ASS'Y	1	
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	
31	VEK7691	LED HOLDER P.C.BOARD	1	
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820	TENSION SENSOR U.	1	
34	VXL2835	PINCH ARM ASS'Y	1	(M)
35	VXL2588	PINCH GUIDE ARM U	1	
36	VXA5570	T SECTOR GEAR U	1	
37	VXL2838	TENSION LEG. GUIDE ARM U	1	
38	VXA5567	S SECTOR GEAR U	1	
39	VXA5564	T4 SECTOR GEAR U.	1	
40	VXA5563	MAIN ROD U	1	
41	VXA5627	THRUST SHAFT HOLDER U	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1268	MOTOR EMARGENCY GEAR A(A)	1	
44	VDG1267	MOTOR EMARGENCY GEAR B(A)	1	
45	VXL2841	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
48	VXL2600	EJECT ARM U	1	
49	VXA5770	T1 GUIDE U.	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077	CLEANER BASE 1 ASS'Y	1	
53	VXA6078	CLEANER SOLENOID ASS'Y	1	
53-1	VSJ0226	CLEANER SOLENOID	1	(M)
53-2	VMA9877	CLEANER SOLENOID BASE	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW U.	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
61	VHD0356	SCREW	1	
62	XQN2+A3	SCREW	1	
64	XQN2+A35FZ	SCREW	3	
65	XQN2+AM2	SCREW	3	
66	XQN2+AM4	SCREW	1	
67	XQN2+CF3	SCREW	12	
68	XQN2+CF4	SCREW	3	
69	XUC12FP	E-RING	2	
70	XVE2B4FZ	HEX SCREW	3	
71	XVE2B6FP	HEX SCREW	1	
72	XVE2B12FP	HEX SCREW	1	
73	VXQ0439	SCREW	3	
74	VMX0967	CUT WASHER	3	
75	VMX1061	WASHER	3	
76	VMX1079	CUT WASHER	1	
77	XWA2B	WASHER	4	
78	XWE2	WASHER	2	
79	XWE16VW	WASHER	1	
80	XXE2A6FP	HEX SCREW	1	
81	XWG2	WASHER	3	
82	XWGV15Z32G	WASHER	2	
83	VHD0045	NYLON NUT	1	
84	VHN0312	NUT	2	
85	XQN2+AQ3.5FZ	SCREW	1	
86	XQN2+AJ5	SCREW	1	
87	XQN2+A1.5	SCREW	4	
88	XQN2+A4	SCREW	1	
89	VMX1394	CUT WASHER	1	
*	VXY1318Z1	MECHANISM	1	

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

MECHANICAL CHASSIS ASSEMBLY (2)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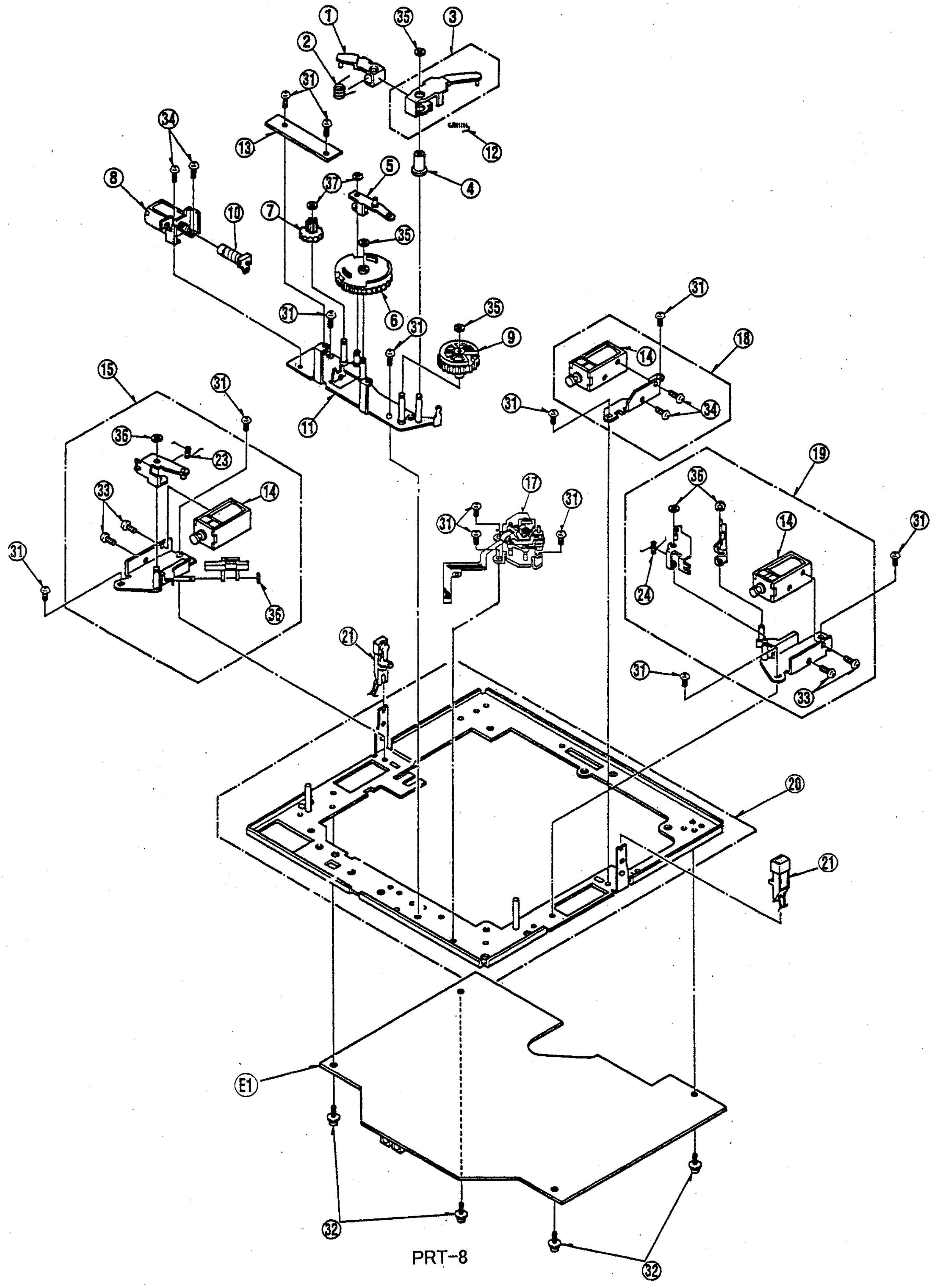
SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM (A) U.	1	
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) U.	1	
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM U	1	
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585	REEL DRIVE MOTOR U.	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM U.	1	
11	VXA5628	MOTOR BASE U.	1	
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	
14	VSJ0216	BRAKE SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE U.	1	
17	VXA6199	DISTINCTION SW ASS'Y	1	(M)
18	VXA5579	M STOPPER SOLENOID U.	1	
19	VXA5887	T-BRAKE SOLENOID BASE U	1	
20	VXK1336	SUB CHASSIS	1	
21	VEK7692	SENSOR HOLDER U.	1	
22	VMS6193	T BRAKE RELEASE ARM SHAFT	1	
23	VMB2957	S BRAKE SPRING	1	
24	VMB2987	T BRAKE SPRING	1	
31	XQN2+CF3	SCREW	13	
32	XYN26+K6	SCREW	4	
33	XQN2+A1.5	SCREW	2	
34	XQN2+A2	SCREW	2	
35	VMX1079	CUT WASHER	5	
36	VMX0967	CUT WASHER	4	
37	VMX1548	CUT WASHER	2	
38	XQN2+A14	SCREW	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

SUB CHASSIS ASSEMBLY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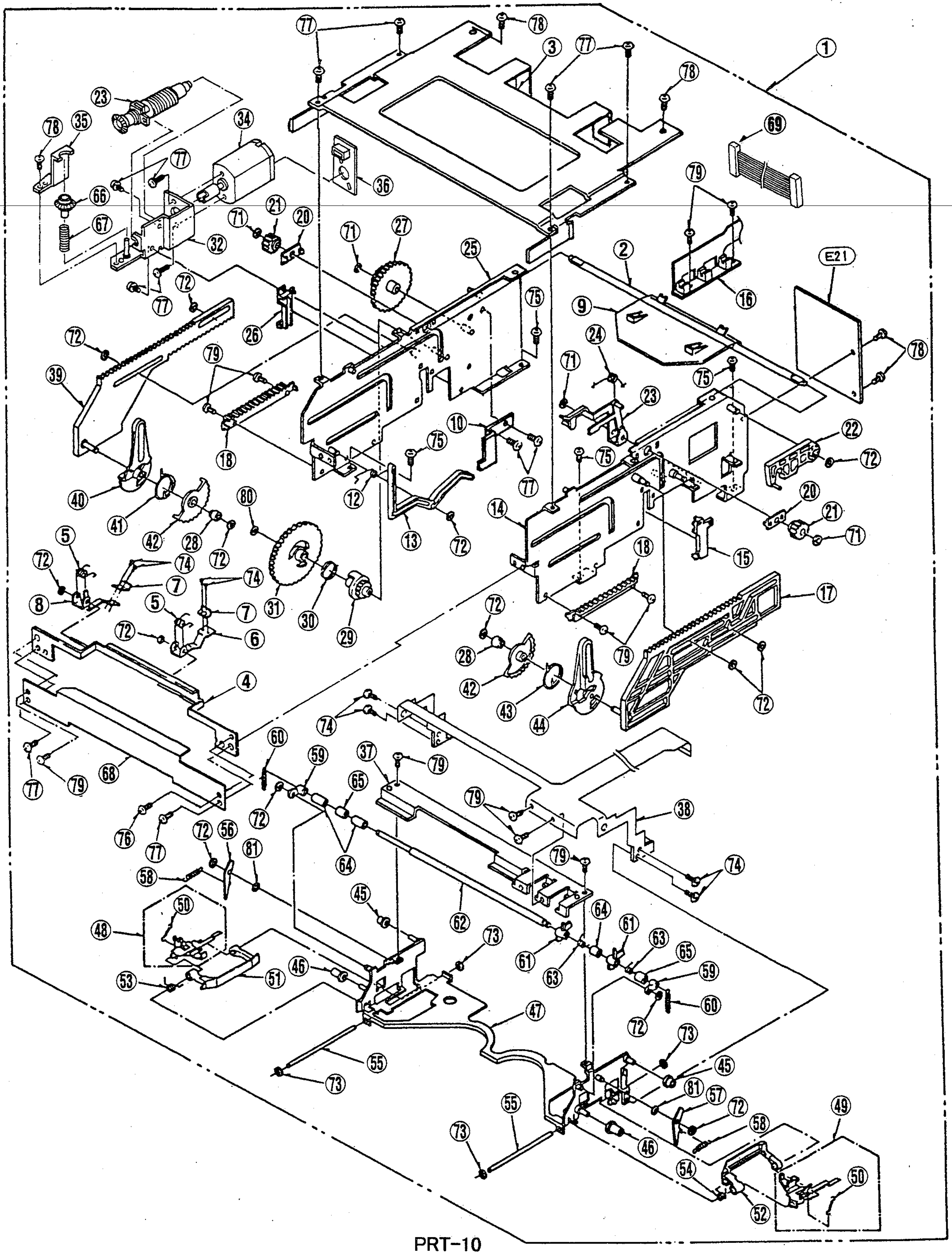
CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA6070	CASSETTE COMPARTMENT	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VXA5761	FRONT GUIDE 1 U.	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3196	CASSETTE PROTECT PLATE	1	
10	VMA9760	L OPENER	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA6074	R SIDE PLATE 1 U	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R U	1	
18	VDG1156	WIPER RACK	2	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1155	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE U	1	
24	VMB2979	SPRING	1	
25	VXA6072	SIDE PLATE L 1 U	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1254	INTERMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1237	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) U.	1	
33	VXP1797	E.E SLOT IN WORM U.	1	
34	VXA5597	MOTOR U.	1	(M)
35	VMA9673	EMARGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE U.	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML2A49	WIPER ARM L	1	
41	VMB2925	WIPER SPRING L	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3013	WIPER SPRING R	1	
44	VML2A52	WIPER ARM R	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 U	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2525	ML DETECTION ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECTION SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	1	
66	VDG1246	EMARGENCY GEAR	1	
67	VMB3109	EMARGENCY SPRING	1	
68	VMZ2661	FRONT GUIDE COVER	1	
69	VEE9577	CABLE	1	
71	VMX0653	CUT WASHER	4	
72	VMX0967	CUT WASHER	14	
73	VMX1061	WASHER	4	
74	XQN16+A2	SCREW	8	
75	XQN2+CF3	SCREW	4	
76	XQN2+A2	SCREW	2	
77	XYN2+C3	SCREW	12	
78	XQN2+A3	SCREW	5	
79	LMHD16061	SCREW	10	
80	XWGV2Y4G	WASHER	2	
81	XWGV2Z5G	WASHER	2	
E22	VEP80856A	CARRIGE P.C.BOARD	1	

CASSETTE COMPARTMENT ASSEMBLY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Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VSC4636	SHIELD CASE	1	
2	VJF0469	CLAMPER	1	
3	VRF0197	FAN MOTOR	1	
4	VEE9627	FG CABLE	1	
⚠ 5	VMZ2752	SHIELD SHEET A	1	
⚠ 9	VMZ2753	SHIELD SHEET B	1	
10	VSC4637	SHIELD COVER	1	
13	VMP5350	SIDE FRAME (L)	1	
14	VJF0004	WIRE SADDLE	2	
15	VKA0117	PLASTIC FOOT	4	
16	VMP5365	REAR CENTER FRAME	1	
17	VMP5353	BACK FRAME	1	
18	VWJ09SW220L0	232C FLAT CABLE	1	
19	VGQ4426	GUIDE RAIL L	2	
20	VMP5351	SIDE FRAME (R)	1	
⚠ 21	VES0888	POWER SWITCH	1	
22	VMP5363	POWER SW BRCKET	1	
23	VMP5361	FRONT FRAME	1	
24	VJF1259	EDGE HOLDER	2	
25	VMP5352	CENTER FRAME	1	
26	VGQ1016	GUIDE RAIL	2	
51	XTV3+10F	SCREW	4	
52	XTV3+6F	SCREW	13	
53	XTV3+6FFR	SCREW	9	
54	VHD5013	SCREW	1	
55	XYE4+EF8	SCREW	1	
56	XSN3+8FZ	SCREW	2	
57	XSB3+16FZS	SCREW	2	
58	XTW3+8LR	SCREW	4	
61	XYE3+EF8	SCREW	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

AJ-D230HP
VEP01792A / VEP00Z78A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1022	ERG2SJ471	M.RESISTOR 2W 470	1	
R1024	ER0S2CKF1801	M.RESISTOR 1/4W 1.8K	1	
R1025	ER0S2CKF3601	M.RESISTOR 1/4W 3.6K	1	
R1026	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1027,28	ERDS2T0	C.RESISTOR 1/4W 0	2	
R1029	ER0S2CKF4300	M.RESISTOR 1/4W 430	1	
R1031	ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R1032	ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1033	ERG2SJ681	M.RESISTOR 2W 680	1	
⚠ T1001	VLT0885	TRANSFORMER	1	
TP1001	VJR0646	TEST POINT	1	
VR1001	VRV0064B501	V.RESISTOR 500	1	
		MISCELLANEOUS		
	VJF0496	CLAMPER	1	
	VJF0867	CONNECTOR SPACER	1	
	VMP5282	TRANSISTOR CLIP	1	
⚠	VMZ0965	CAPACITOR COVER	3	
	VSC3434	SHIELD CASE	2	
⚠	VWZ0106	INSULATION TUBE	1	
	XTN3+8J	SCREW	1	
	XYN3+K8	SCREW	5	
	VSC4638	HEAT SINK	1	
■	VEP00Z78A	MOTHER P.C.BOARD	1	(RTL)
C9101,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9103	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9104	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9105	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9106,07	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9108	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9109,10	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9111	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9112-14	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9115	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9116	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9117	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9118,19	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9120	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9121	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9122	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9123-25	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9126	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9127	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9128	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9129,30	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9131	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9132,33	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9134	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9135,36	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9137	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9138,39	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9140	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9141,42	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9143	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9144-46	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9147	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9148,49	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9150	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9151,52	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9153	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9154	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9155	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9156,57	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9158	ECEA1CGE470	E.CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C9159	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9161	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9162	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9163,64	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9165	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9166-68	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9169	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9170,71	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9172	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9173,74	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9175	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9176	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9177	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9178,79	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9180	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9181-83	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9184	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9188,89	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9190,91	ECEA1CGE470	E.CAPACITOR 16V 47U	2	
C9192-94	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C9195	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9196,97	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9198	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C9199	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C9200	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9201	ECEA0JGE471	E.CAPACITOR 6.3V 470U	1	
C9203	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C9204	ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C9205	ECA1VFQ561	E.CAPACITOR 35V 560U	1	
C9210	ECEA1HGE2R2	E.CAPACITOR 50V 2.2U	1	
C9211	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C9212	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C9213-15	ECEA1CGE470	E.CAPACITOR 16V 47U	3	
C9304,05	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C9501	ECEC1CP123B	E.CAPACITOR 16V 0.01M	1	
D9101,02	MA3062M	DIODE	2	
D9103	8P2M	DIODE	1	
D9104	MA4030-L	DIODE	1	
D9105-07	MA151K	DIODE	3	
D9108	MA701A	DIODE	1	
D9109-15	MA151K	DIODE	7	
D9201	MA115	DIODE	1	
D9202	MA4270M	DIODE	1	
D9204	MA115	DIODE	1	
D9205	MA3062M	DIODE	1	
FL9101-16	VLF0931	FILTER	16	
IC9101	XC62AP5002P	IC	1	
IC9103	XC62DN5002P	IC	1	
IC9104	AN78M09	IC	1	
IC9105	UPC393G2	IC	1	
IC9301	UPC4558G2	IC	1	
J9101,02	ERJ8GCY0R00	M.RESISTOR CH 1/8W 0	2	
P9101,02	VJS3324	CONNECTOR (FEMALE)	2	
P9301	VJS2898A064P	CONNECTOR (FEMALE)	1	
P9304-07	VJS3657	CONNECTOR (FEMALE)	4	
P9308	VJS3537B024G	CONNECTOR (FEMALE)	1	
P9310,11	VJS3600F016K	CONNECTOR (FEMALE)	2	
P9312	VJS3657	CONNECTOR (FEMALE)	1	
P9501	VJS2899A096P	CONNECTOR (FEMALE)	1	
P9502	VJP1231T	CONNECTOR (MALE) 4P	1	
P9503	VJP1230T	CONNECTOR (MALE) 3P	1	
P9504,05	VJP3949A070H	CONNECTOR (MALE)	2	
Q9101	2SD2136-Q	TRANSISTOR	1	
Q9102,03	2SB1073-R	TRANSISTOR	2	
Q9106-10	2SD1119-R	TRANSISTOR	5	
Q9111	2SD2136-Q	TRANSISTOR	1	
Q9112	2SD1119-R	TRANSISTOR	1	
Q9113	2SB709A-R	TRANSISTOR	1	
Q9115	2SD601A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q9116	2SB709A-R	TRANSISTOR	1	
Q9117	2SD1119-R	TRANSISTOR	1	
Q9118	2SD2136-Q	TRANSISTOR	1	
Q9119, 20	2SB709A-R	TRANSISTOR	2	
Q9202	2SD601A-R	TRANSISTOR	1	
Q9203	2SC3074Y	TRANSISTOR	1	
QR9101	MUN2113	TRANSISTOR-RESISTOR	1	
QR9102	MUN2211	TRANSISTOR-RESISTOR	1	
R9101	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R9102, 03	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	2	
R9106-10	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	5	
R9111	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R9112	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R9116	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R9120	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R9121	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R9122	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R9123	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R9124	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9125	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9126	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R9127, 28	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R9129	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9130	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R9131	ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R9132-37	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	6	
R9138-40	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	3	
R9141	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R9142	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R9143	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R9144	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R9145	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R9146	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9147	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9148	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R9149	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R9150	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R9151	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R9152	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R9153	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R9154	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
⚠ R9201	ERQ12HJ1R0P	F.RESISTOR 1/2W 1	1	
R9202	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R9204, 05	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R9206	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R9207	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R9208	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R9308, 09	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R9310	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
T9201	VLT0889	TRANSFORMER	1	
TP1108	VJR0098	TEST POINT	1	
TP1208	VJR0098	TEST POINT	1	
VR9501	EVMEASA00B54	V.RESISTOR 500K	1	
		MISCELLANEOUS		
	VKC0295	BOARD SPACER	1	
■	VEP03E54B	VIDEO I/O P.C.BOARD	1	(RTL)
C3201	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3202	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3203	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C3204	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3205	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3206	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3207	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3208	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3210, 11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3212	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3213	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3214	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3215-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3220	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3221	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3222, 23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3224	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3226	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C3229, 30	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3231	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3233	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3234	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3235-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3240	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3241	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3242	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3243	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3245	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3247	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3248, 49	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3250	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3251	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3252	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3253	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3254	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3255	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3302	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3303	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3304	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3305	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3306	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3310	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3311	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3312	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3313	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C3314	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3315	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3316	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3317	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3318	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3401-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3405	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3406	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3407	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3408	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3409	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3410	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3411	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3412	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3414, 15	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	2	
C3416	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3417	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3418-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3421	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3423	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3424	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3425	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3426	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3427	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3428	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3501, 02	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3503	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3504	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3505	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3506	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3507	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3508	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3509	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3510	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3511-13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3514	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3515	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3516,17	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C3518	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3522	ECEV1HV4R7Q	E.CAPACITOR CH 50V 4.7U	1	
C3523	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3524	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3526	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3527	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3528,29	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C3530	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3531	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3532	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3533	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3534	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3535	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3536	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3537-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3542	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3543	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3701	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3702	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3703	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3704	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3705	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3706	VCK0152	C.CAPACITOR	1	
C3707	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3708	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3709	VCK0151	C.CAPACITOR	1	
C3710	VCK0152	C.CAPACITOR	1	
C3711-13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3714	VCK0151	C.CAPACITOR	1	
C3715-17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3718	VCK0151	C.CAPACITOR	1	
C3719,20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3721,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3723	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3724,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3726	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3727	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3728	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3729	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3730	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3731	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3733	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3734	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3736	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3737	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3738	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3739	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3741	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3744	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3747	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3748	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3749	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3750	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3751	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3752	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3754	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3755	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3757-60	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C3761,62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3763	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3764	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3765	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3801	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3802	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3803	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3804	ECHU1C392J	P.CAPACITOR 16V 3900P	1	
C3805	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3806	ECHU1C152J	P.CAPACITOR 16V 1500P	1	
C3807	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3808	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3809	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3810	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3811	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3813	ECEV1HV4R7Q	E.CAPACITOR CH 50V 4.7U	1	
C3814	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C3815,16	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3817	ECHU1C683JB5	P.CAPACITOR 16V 0.068U	1	
C3818	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3821	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3822	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3823	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3825	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C3828	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C3829	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3830	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3831	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3832	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3833	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3834	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3835	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3836	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3837	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3838	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3839	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3840	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3841	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3842	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3843	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3844	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3845	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C3901	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3902	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3903	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3904	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3905	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3906,07	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3908	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3909,10	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3911	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3912	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3913	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3914	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3915	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3916	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3917,18	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C3920-22	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3923	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3952,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3954	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3955,56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
D3201,02	MA142K	DIODE	2	
D3302,03	MA142K	DIODE	2	
D3305	MA728	DIODE	1	
D3501	MA142K	DIODE	1	
D3601	MA142K	DIODE	1	
D3801-05	MA142K	DIODE	5	
D3806	MA28W-A	DIODE	1	
FL3101,02	VLF0941C223	FILTER	2	
FL3201	VLF1015	FILTER	1	
FL3301	VLF1353	FILTER	1	
FL3401,02	VLF1355	FILTER	2	
FL3501,02	VLF0941C223	FILTER	2	
FL3701	VLF1293	FILTER	1	
FL3702	VLF1326	FILTER	1	
FL3901,02	VLF1428	FILTER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3201	CXD2024AQ	IC	1	
IC3202	XC62AP5002P	IC	1	
IC3203	TC7W04FU	IC	1	
IC3204	EL4089CS	IC	1	
IC3205	EL4583CS	IC	1	
IC3208	MC14053BD	IC	1	
IC3301	EL4583CS	IC	1	
IC3302	XC62AP5002P	IC	1	
IC3303,04	MC14053BD	IC	2	
IC3401,02	NJM1496V	IC	2	
IC3403	NJM78L09UA	IC	1	
IC3404	XC62DN5002P	IC	1	
IC3405	XC62AP5002P	IC	1	
IC3501	UPD65013BC16	IC	1	
IC3502	SN74LS221NS	IC	1	
IC3503	TC7W74FU	IC	1	
IC3504	TC7W04FU	IC	1	
IC3505	NJM319V	IC	1	
IC3506	XC62AP5002P	IC	1	
IC3507	NJM082BV	IC	1	
IC3508	MC14053BD	IC	1	
IC3509	TC7S00FU	IC	1	
IC3510	NJM064V	IC	1	
IC3511	TC7W04FU	IC	1	
IC3601	MN53015VZW	IC	1	
IC3602	TC4W53FU	IC	1	
IC3603	TVHCT244FS	IC	1	
IC3701	MN657021F	IC	1	
IC3702,03	TC7SH08FU	IC	2	
IC3704	XC62AP3002P	IC	1	
IC3705	XC62AP5002P	IC	1	
IC3706	XC62DN5002P	IC	1	
IC3707	AD826AR	IC	1	
IC3708	AD817AR	IC	1	
IC3709	TC7S04FU	IC	1	
IC3710	MC14053BD	IC	1	
IC3712	TC7S04FU	IC	1	
IC3713	NJM2534V	IC	1	
IC3714	TC4W53FU	IC	1	
IC3801	XC62AP5002P	IC	1	
IC3802	AN3296S	IC	1	
IC3803	M35010-001SP	IC	1	
IC3804	MN1382-P	IC	1	
IC3901	CXA1229M	IC	1	
IC3902	XC62AP5002P	IC	1	
IC3903	AD826AR	IC	1	
IC3904	TC4W53FU	IC	1	
IC3951	NJM082BM	IC	1	
L3201-04	VLQ0319K101	COIL 100UH	4	
L3207	VLQ0319K101	COIL 100UH	1	
L3208	VLQ0163J180	COIL 18UH	1	
L3209	VLQ0163J220	COIL 22UH	1	
L3210	VLQ0319K101	COIL 100UH	1	
L3211	VLQ0163J180	COIL 18UH	1	
L3212	VLQ0163J220	COIL 22UH	1	
L3301	VLQ0163J221	COIL 220UH	1	
L3302,03	VLQ0319K101	COIL 100UH	2	
L3401-04	VLQ0319K101	COIL 100UH	4	
L3501-03	VLQ0319K101	COIL 100UH	3	
L3504	VLQ0163J470	COIL 47UH	1	
L3505,06	VLQ0319K101	COIL 100UH	2	
L3701	VLQ0163J390	COIL 39UH	1	
L3702	VLQ0319K101	COIL 100UH	1	
L3703	VLQ0464K6R8	COIL 6.8UH	1	
L3704	VLQ0163J270	COIL 27UH	1	
L3706,07	VLQ0319K101	COIL 100UH	2	
L3801	VLQ0319K101	COIL 100UH	1	
L3802	VLQ0163J120	COIL 12UH	1	
L3803-06	VLQ0319K101	COIL 100UH	4	
L3901,02	VLQ0163J120	COIL 12UH	2	
P3101	VJP3657	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3201	2SD1819A-R	TRANSISTOR	1	
Q3202	2SB1218A-R	TRANSISTOR	1	
Q3203,04	2SD1819A-R	TRANSISTOR	2	
Q3205	2SB1218A-R	TRANSISTOR	1	
Q3206	2SD1819A-R	TRANSISTOR	1	
Q3207	2SB1218A-R	TRANSISTOR	1	
Q3208	XN4601	TRANSISTOR-RESISTOR	1	
Q3209	2SD1819A-R	TRANSISTOR	1	
Q3301,02	2SD1819A-R	TRANSISTOR	2	
Q3303	2SB1218A-R	TRANSISTOR	1	
Q3304	2SA1532-B	TRANSISTOR	1	
Q3305,06	2SD1819A-R	TRANSISTOR	2	
Q3401,02	2SD1819A-R	TRANSISTOR	2	
Q3403	2SA1532-B	TRANSISTOR	1	
Q3404	2SD1819A-R	TRANSISTOR	1	
Q3405	2SA1532-B	TRANSISTOR	1	
Q3406	2SD1819A-R	TRANSISTOR	1	
Q3501-03	2SD1819A-R	TRANSISTOR	3	
Q3701	2SD1819A-R	TRANSISTOR	1	
Q3702	2SB1218A-R	TRANSISTOR	1	
Q3703,04	2SD1819A-R	TRANSISTOR	2	
Q3705	2SB1218A-R	TRANSISTOR	1	
Q3706-09	2SD1819A-R	TRANSISTOR	4	
Q3710,11	XN4601	TRANSISTOR-RESISTOR	2	
Q3712-14	2SD1819A-R	TRANSISTOR	3	
Q3801	2SD1819A-R	TRANSISTOR	1	
Q3802	2SB1218A-R	TRANSISTOR	1	
Q3803-08	2SD1819A-R	TRANSISTOR	6	
Q3901,02	2SD1819A-R	TRANSISTOR	2	
Q3951	2SK198-R	TRANSISTOR	1	
QR3301	XN4601	TRANSISTOR-RESISTOR	1	
QR3304	XN4601	TRANSISTOR-RESISTOR	1	
R3201	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3202	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3203	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3204	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3205	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3206	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3210	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3211,12	ERJ3RBD102	M.RESISTOR CH 1/10W 1K	2	
R3214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3215	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3217	ERJ3RBD331	M.RESISTOR CH 3W 330	1	
R3218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3219	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3221	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3222	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3223	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3224	ERJ6RED684	M.RESISTOR CH 1/10W 680K	1	
R3226	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3230,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3233	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3234-36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3238	ERJ3RBD473	M.RESISTOR CH 3W 47K	1	
R3239	ERJ3RBD183	M.RESISTOR CH 3W 18K	1	
R3240	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3241	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3244,45	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3247	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3248	ERJ3RBD201	M.RESISTOR CH 3W 200	1	
R3251	ERJ3RBD201	M.RESISTOR CH 3W 200	1	
R3253,54	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3256	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3257	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3258	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3259	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3260	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3261	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3262	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3263	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3264	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3265	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3266	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3269	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3275	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3276	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3279	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3280	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3281	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3301	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3302	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3305	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3306	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3308	ERJ6RED684	M.RESISTOR CH 1/10W 680K	1	
R3309	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3310	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3311	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3312	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3314	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3315	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3316	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3317	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3318,19	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3321	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3323	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3324	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3332	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3333	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3334	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3335	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3336	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3337	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3338	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3339	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3340	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3341	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3342	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3355	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3356	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R3401	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3402	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3403	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3404,05	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3406	ERJ3RBD682	M.RESISTOR CH 3W 6.8K	1	
R3407	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3408	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3410,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3413,14	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3415	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3416	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3417	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3418	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3419	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3420	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3421	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3422	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3423	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3424	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3425,26	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3427	ERJ3RBD682	M.RESISTOR CH 3W 6.8K	1	
R3428	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3431,32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3433	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3434,35	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3436	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3437	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3438	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3439	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3440	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3441	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3442	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3501	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3502	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3504	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3506	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3507	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3509	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3510,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3519-21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3523	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3524	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3525	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3526	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3527	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3528	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3529	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3530	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3531	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3532,33	ERJ3RBD222	M.RESISTOR CH 3W 2.2K	2	
R3536-38	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3539	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3540	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3541,42	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R3543	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3544	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3545,46	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3547,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3549	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3550	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3551	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3552	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3553	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3556	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3558	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3559-61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3562	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3563	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3566	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3567	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3568	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3570	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3601	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3604	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3606,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3609	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3610,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3612	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3613-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3619	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3701,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3703	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3704	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3707,08	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3713	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3715	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3716,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3718	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3720	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3721,22	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3723	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3724	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3725	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3726	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3727	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3728	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3RBD102	M.RESISTOR CH 1/10W 1K	1	
R3730,31	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R3732,33	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3734	ERJ3RBD102	M.RESISTOR CH 1/10W 1K	1	
R3735,36	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3737	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3740	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3741	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3743	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3744	ERJ3RBD222	M.RESISTOR CH 3W 2.2K	1	
R3745,46	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3747,48	ERJ3RBD102	M.RESISTOR CH 1/10W 1K	2	
R3750	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3751	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3752	ERJ3RBD222	M.RESISTOR CH 3W 2.2K	1	
R3753-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3757	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3758	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3759	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3760	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3761	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3762	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3763,64	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R3765-67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3768,69	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R3770	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3773	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3774	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3775	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3776	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3777	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3778,79	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3780	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3781,82	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3783,84	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3785	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3786	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3802	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3803	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3804	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3805,06	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3807	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3808	ERJ3GEYG473	M.RESISTOR CH 1/16W 47K	1	
R3809	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3810	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3811	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3812	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3813	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3814	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3815	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3816	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3817	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3818	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3819	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3820	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3821	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3822	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3823	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3824	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3825	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3826	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3827	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3828	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3829	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3830	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3831	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3832-34	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R3837	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3839	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3901	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3902	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3904	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3905-07	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R3908	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3910	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3911	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3912-16	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	5	
R3917	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3918	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3920	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3921	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3922	ERJ3RBD273	M.RESISTOR CH 3W 27K	1	
R3923	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3925	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3951	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3952	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3953	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3954	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3955	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3957	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3958	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3959	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3960	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
TG3201	EYF6CU	TEST POINT	1	
TG3401	EYF6CU	TEST POINT	1	
TG3501	EYF6CU	TEST POINT	1	
TG3701	EYF6CU	TEST POINT	1	
TP3201-03	EYF6CU	TEST POINT	3	
TP3301,02	EYF6CU	TEST POINT	2	
TP3401,02	EYF6CU	TEST POINT	2	
TP3501-09	EYF6CU	TEST POINT	9	
TP3601-03	EYF6CU	TEST POINT	3	
TP3701-05	EYF6CU	TEST POINT	5	
VC3801	ECRJA030E12	TRIMMER	1	
VR3202,03	EVM7JGA00B13	V.RESISTOR 1K	2	
VR3401,02	EVM7JGA00B13	V.RESISTOR 1K	2	
VR3501	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3502,03	EVM7JGA00B13	V.RESISTOR 1K	2	
VR3504	VRV0161B502	V.RESISTOR 5K	1	
VR3505	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3701	VRV0161B502	V.RESISTOR 5K	1	
VR3702,03	VRV0161B202	V.RESISTOR 2K	2	
VR3704	EVM7JGA00B52	V.RESISTOR 500	1	
VR3705	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3706	EVM7JGA00BE2	V.RESISTOR 220	1	
VR3707	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3709,10	EVM7JGA00B53	V.RESISTOR 5K	2	
VR3901-03	EVM7JGA00B13	V.RESISTOR 1K	3	
X3501	VSX0338	CRYSTAL OSCILLATOR	1	
X3801	VSX0365	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
■	VEP03D94C	DIGITAL P.C.BOARD	1	(RTL)
■	VEP00Z87A	DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP03D94C
BZ3101-04	VLP0155	COIL	4	
BZ3201	VLP0155	COIL	1	
BZ3305	VLP0155	COIL	1	
BZ3601	VLP0155	COIL	1	
C3001	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3002	VCK0151	C.CAPACITOR	1	
C3003,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3005	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C3006,07	VCK0152	C.CAPACITOR	2	
C3008	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3009	VCK0152	C.CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3010	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3015-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3021	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3022	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3102,03	VCK0151	C.CAPACITOR	2	
C3104,05	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	2	
C3106,07	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C3108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3109	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C3110	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3112	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3113	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C3114	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3115,16	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C3117	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C3118	VCK0151	C.CAPACITOR	1	
C3119	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3120	ECST1AX106Z	T.CAPACITOR CH 10V 10U	1	
C3121,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3123	VCK0151	C.CAPACITOR	1	
C3124,25	VCK0152	C.CAPACITOR	2	
C3126-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3133	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3134	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3201	VCK0152	C.CAPACITOR	1	
C3205	VCK0151	C.CAPACITOR	1	
C3208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3209	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3210,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3302	VCK0152	C.CAPACITOR	1	
C3303,04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3305,06	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C3307-12	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C3313	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C3314	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3315-17	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C3320-24	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3325	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3401-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3501-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C3512	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3513	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3602,03	ECUX1H681JV	C.CAPACITOR CH 50V 680P	2	
C3604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3605-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3608	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3609	VCK0152	C.CAPACITOR	1	
C3610	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3612	VCK0152	C.CAPACITOR	1	
C3614	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3615	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3616	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C3619	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3620	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C3621	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3701	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3702	VCK0152	C.CAPACITOR	1	
C3704	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C3801-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
D3601-03	MA715	DIODE	3	
D3604,05	MA152K	DIODE	2	
FL3101	VLF1118	FILTER	1	
FL3102	VLF1117	FILTER	1	
FL3103	VLF1116	FILTER	1	
IC3001	MN67372A2	IC	1	
IC3002	MN4706F	IC	1	
IC3003-08	TVHC244FT	IC	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3009	XC62AP2302P	IC	1	
IC3010	TVHC244FT	IC	1	
IC3014	TVHC244FT	IC	1	
IC3015	TC7SH04FU	IC	1	
IC3101	M65401FP	IC	1	
IC3102	MN673711	IC	1	
IC3103	M52660FP	IC	1	
IC3104	TVHC125FT	IC	1	
IC3105	TC7W04FU	IC	1	
IC3106	TC4W53FU	IC	1	
IC3107-10	TVHC245FT	IC	4	
IC3111	TVHC157FT	IC	1	
IC3112	TC7SH04FU	IC	1	
IC3113	TVHC573FT	IC	1	
IC3201	L7A1433	IC	1	
IC3202	MB81V4260S7	IC	1	
IC3203	TC7S66F	IC	1	
IC3205	TC7SH08FU	IC	1	
IC3206	TVHC74FT	IC	1	
IC3301	L7A1434	IC	1	
IC3302	TVHC244FT	IC	1	
IC3303	MC10H125M	IC	1	
IC3304	MC10H124M	IC	1	
IC3305	XC62DN5002P	IC	1	
IC3306	TVHC153FT	IC	1	
IC3307,08	TVHC74FT	IC	2	
IC3309	TC7SH04FU	IC	1	
IC3310	TVHC157FT	IC	1	
IC3311	TC7SH08FU	IC	1	
IC3401	UPD65868D022	IC	1	
IC3402	TVHC245FT	IC	1	
IC3403	TC7SH32FU	IC	1	
IC3404	TC7SH04FU	IC	1	
IC3405	TVHC244FT	IC	1	
IC3406	TVHC157FT	IC	1	
IC3407	TVHC244FT	IC	1	
IC3408	TC7S66F	IC	1	
IC3409	TC7S04F	IC	1	
IC3501	SN74S1051NS	IC	1	
IC3502,03	TVHCT541FS	IC	2	
IC3505	74AC139SJ	IC	1	
IC3506	SN74S1051NS	IC	1	
IC3507	HD151015SS	IC	1	
IC3508	UPD71055GB	IC	1	
IC3509	TVHC244FT	IC	1	
IC3510	TC7S04F	IC	1	
IC3601	M37709M4L164	IC	1	
IC3602	S80727ANDQ	IC	1	
IC3603,04	TC7S66F	IC	2	
IC3606	TVHC244FT	IC	1	
IC3607	TC74HC123AF	IC	1	
IC3608	TC7SH08FU	IC	1	
IC3701	T160G11-1233	IC	1	
IC3702	TC7SH08FU	IC	1	
IC3703	TVHC08FT	IC	1	
IC3801	UPD65843G026	IC	1	
IC3802	TVHC574FT	IC	1	
L3001	VLP0145	COIL	1	
L3101	VLP0145	COIL	1	
L3102,03	VLQ0464K6R8	COIL 6.8UH	2	
L3501	VLP0145	COIL	1	
L3601	VLQ0464K6R8	COIL 6.8UH	1	
L3602	VLQ0319K470	COIL 47UH	1	
L3603	VLQ0464K6R8	COIL 6.8UH	1	
L3701	VLQ0464K6R8	COIL 6.8UH	1	
P3901	VJP3657	CONNECTOR (MALE)	1	
Q3601	2SB709A-R	TRANSISTOR	1	
QR3601	UN2214	TRANSISTOR-RESISTOR	1	
R3002-05	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R3006-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	19	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3025-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R3033-40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R3041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3045	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3046-53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R3054-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R3062	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3063-65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3066	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3102	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3105-09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R3110	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R3111	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3112	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3113	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3114	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3115,16	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3117	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3119	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3124-32	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	9	
R3133,34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3135,36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3137	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3138,39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3140-50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	11	
R3151	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3152	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3155-63	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	9	
R3164	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3165	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3201	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3202-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3303,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3305-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3309	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3313	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3314-17	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	4	
R3318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3319,20	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R3321-24	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	4	
R3325,26	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R3327,28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3331	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3401-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3404-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3407	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3408	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3409	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3410-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3424-32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R3433	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3501	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3502	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3504-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3507-14	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	8	
R3515	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3516	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3517	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3524-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	16	
R3601,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3605-07	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3608-10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3611-13	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R3614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3617	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3618	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3619	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3621	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3622,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3624,25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3626-30	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	5	
R3632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3634	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3636	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3637	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3639,40	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3641	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3642	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3645	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3646,47	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3648,49	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3650	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3651	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3652	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3653,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3659-61	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R3662	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3663-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R3669	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R3670	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3671	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3672	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3701	ERJ3RED270	M.RESISTOR CH 3W 27	1	
R3702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3704,05	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2	
R3706	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3712-21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R3801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3802	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3803	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3804	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3805,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW3101	VSS0367-08TB	SWITCH	1	
SW3102	VSS0367-04TB	SWITCH	1	
TG3001	EYF6CU	TEST POINT	1	
TG3301	EYF6CU	TEST POINT	1	
TH3102	VRT0139J102	THERMISTOR	1	
TP3001-04	EYF6CU	TEST POINT	4	
TP3101-04	EYF6CU	TEST POINT	4	
TP3201,02	EYF6CU	TEST POINT	2	
TP3301-06	EYF6CU	TEST POINT	6	
TP3601-04	EYF6CU	TEST POINT	4	
TP3701-03	EYF6CU	TEST POINT	3	
TP3801,02	EYF6CU	TEST POINT	2	
VR3101-03	VRV0161B203	V.RESISTOR 20K	3	
X3301	VSX0645	CRYSTAL OSCILLATOR	1	
X3601	VSX0637	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
■	VEP03E12B	TBC P.C.BOARD	1	(RTL)
C3201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3204	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3207	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3209	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3210	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3211	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3212	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3214,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3216	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3217,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3223	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3224	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3225	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3226	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3228,29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3230	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3231,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3233	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3238	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3239	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3240	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3241	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3242	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3243,44	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3245	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3246	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3247,48	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3250	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3251	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3252	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3253	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3254-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3301,02	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3303	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3304	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3305	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3306,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3309	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C3310	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3311	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3313	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3314	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3315	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3316	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3317	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3318	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3319	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3320	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3321,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3323	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C3324	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3325	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3326-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3344	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3345	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3346,47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3348	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3349,50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3351	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C3401-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C3501-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C3601	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3602	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3603	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3604,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3606	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3607	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3608	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3609,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3611	ECEV1EN3R3Q	E.CAPACITOR CH 25V 3.3U	1	
C3612	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3613	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3614	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3616	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3617	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3618	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3619,20	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3621,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3626	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3627,28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3629	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3630	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3631	ECEV1EN3R3Q	E.CAPACITOR CH 25V 3.3U	1	
C3632	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3633	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3634-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C3640	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3641,42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3643	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3701	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3702-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C3801	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3802	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3803,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3819	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3820	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3821	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3822,23	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C3824,25	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	2	
C3826	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3827	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3828	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3829	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3830	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3831,32	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3833	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3834	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	
C3835	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3836	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3837	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C3838	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3839	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C3901	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3902	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3903	VCK0150	C.CAPACITOR	1	
C3904	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3906	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3907	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3908	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3909	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3910	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3911	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
D3301	MA142WK	DIODE	1	
D3302	MA335-R	DIODE	1	
D3601	MA715	DIODE	1	
D3602	MA335-R	DIODE	1	
D3603,04	MA152K	DIODE	2	
FL3101,02	VLF0941C223	FILTER	2	
FL3301,02	VLF0941C223	FILTER	2	
FL3303	VLQ0415	COIL	1	
FL3401	VLF0941C223	FILTER	1	
IC3201-03	CXD1176Q	IC	3	
IC3204,05	XC62AP5002P	IC	2	
IC3206	AD817AR	IC	1	
IC3207	AD826AR	IC	1	
IC3208	XC62DN5002P	IC	1	
IC3301	TC7S00FU	IC	1	
IC3302	TC7S14F	IC	1	
IC3303	TVHC74FT	IC	1	
IC3304,05	SN74LS221NS	IC	2	
IC3306	NJM082BV	IC	1	
IC3307	TC4W53FU	IC	1	
IC3308	TC7S00FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3309	TVHC244FT	IC	1	
IC3310	XC62AP5002P	IC	1	
IC3311	XC62DN5002P	IC	1	
IC3312	TC7S04FU	IC	1	
IC3401	T160G41-1437	IC	1	
IC3402	UPD42280G3	IC	1	
IC3403	74F541SJ	IC	1	
IC3404	UPD42280G3	IC	1	
IC3405	74F541SJ	IC	1	
IC3406	TC7W04FU	IC	1	
IC3407	TC7W125FU	IC	1	
IC3501	UPD65841G025	IC	1	
IC3502	TC4W53FU	IC	1	
IC3503	T74VHCT244F	IC	1	
IC3601	T74VHCT244F	IC	1	
IC3602	MC74HC125AF	IC	1	
IC3603	TC7S66F	IC	1	
IC3604	NJM082BV	IC	1	
IC3605	TC7SH00FU	IC	1	
IC3607	NJM082BV	IC	1	
IC3608	TC7SH08FU	IC	1	
IC3609	NJM79L09UA	IC	1	
IC3610	NJM78L09UA	IC	1	
IC3701	UPD65840G024	IC	1	
IC3702	TC4W53FU	IC	1	
IC3801	TC7SH08FU	IC	1	
IC3802	TVHC74FT	IC	1	
IC3803, 04	TLCX244FT	IC	2	
IC3805	TC7SH08FU	IC	1	
IC3806	T163G45-1017	IC	1	
IC3807	TC7SH04FU	IC	1	
IC3808	M52660FP	IC	1	
IC3809	TC7SH04FU	IC	1	
IC3901	UPC2384GA	IC	1	
L3202	VLQ0319K101	COIL 100UH	1	
L3204	VLQ0319K101	COIL 100UH	1	
L3206	VLQ0319K101	COIL 100UH	1	
L3303	VLQ0163J3R3	COIL 3.3UH	1	
L3401-16	VLP0155	COIL	16	
L3601-05	VLQ0319K470	COIL 47UH	5	
L3606	VLQ0163J3R9	COIL 3.9UH	1	
L3607, 08	VLQ0319K470	COIL 47UH	2	
L3801-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
L3804	VLP0155	COIL	1	
L3805	VLP0145	COIL	1	
L3806	VLQ0319M6R8	COIL 6.8UH	1	
L3807	VLP0145	COIL	1	
L3808	VLQ0319M6R8	COIL 6.8UH	1	
L3809	VLP0145	COIL	1	
L3810	VLQ0319M6R8	COIL 6.8UH	1	
L3811	VLP0145	COIL	1	
L3812	VLQ0319M6R8	COIL 6.8UH	1	
L3901	VLQ0464K6R8	COIL 6.8UH	1	
L3902	ELJNA1R5JF	COIL 1.5UH	1	
L3903	VLQ0319K101	COIL 100UH	1	
P3101	VJP3657	CONNECTOR (MALE)	1	
Q3201	2SK198-R	TRANSISTOR	1	
Q3206	2SD1819A-R	TRANSISTOR	1	
Q3208	2SA1532-B	TRANSISTOR	1	
Q3211	2SA1532-B	TRANSISTOR	1	
Q3301	2SC3938-R	TRANSISTOR	1	
Q3302, 03	2SA1532-B	TRANSISTOR	2	
Q3304	2SC3938-R	TRANSISTOR	1	
Q3601	2SC2295-B	TRANSISTOR	1	
Q3801	XN4601	TRANSISTOR-RESISTOR	1	
R3207	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3208	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3210	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3212	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3213	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3214	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3215, 16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3217, 18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3225	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3226	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3228	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3230	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3232	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3233, 34	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3235	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R3236	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3239	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3246	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3247	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3251	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3252	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3254-56	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R3257	VRE006607103	M.RESISTOR CH 1/10W 10K	1	
R3260	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3272	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3274	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3275	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3276	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3277	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3278, 79	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3280	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3285, 86	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288, 89	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R3290	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3291	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3293	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3302	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3303	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3304	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3305	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3306, 07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3308, 09	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3312	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3313, 14	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3315	ERJ3RBD682	M.RESISTOR CH 3W 6.8K	1	
R3320	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3321	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3322	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3325	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3327	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3328	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3329	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3334, 35	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R3336	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3337	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3339	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3341	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3342	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3343, 44	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3414-21	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3422	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3426-28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3429-31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3432-35	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	4	
R3436	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3437-39	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	3	
R3441	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3442, 43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3444	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3445	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3446-52	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	7	
R3453	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3501	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3502	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3503	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3504,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3506-12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R3513	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3514	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3601	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3602,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3604	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3606	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3607	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R3608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3609	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3610	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3611	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3613-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R3616	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3617	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3618	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3619	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3620	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R3621	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3622	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3623	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3624	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3625	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3626	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3627	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3628	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3702	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3709	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3711	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3712	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3715,16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3719	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3721	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3802,03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3804-08	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3810	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3815-18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R3819	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3820	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3821,22	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R3823	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3824,25	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R3826	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3827	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3828	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3829-31	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3832	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3833,34	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3835,36	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3837	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3838	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3839	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R3840	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3841	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3842,43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3901,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3905	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3907-09	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	3	
R3910	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3911,12	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
TG3201	EYF6CU	TEST POINT	1	
TG3601	EYF6CU	TEST POINT	1	
TP3201-03	EYF6CU	TEST POINT	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP3301-03	EYF6CU	TEST POINT	3	
TP3401-09	EYF6CU	TEST POINT	9	
TP3501,02	EYF6CU	TEST POINT	2	
TP3601	EYF6CU	TEST POINT	1	
TP3801,02	EYF6CU	TEST POINT	2	
VC3601	ECV1ZW50X53T	TRIMMER	1	
VR3201	VRV0113B102	V.RESISTOR 1K	1	
VR3202	VRV0113B502	V.RESISTOR 5K	1	
VR3203	VRV0113B102	V.RESISTOR 1K	1	
VR3204	VRV0113B502	V.RESISTOR 5K	1	
VR3205	VRV0113B102	V.RESISTOR 1K	1	
VR3206	VRV0113B502	V.RESISTOR 5K	1	
VR3302	VRV0113B202	V.RESISTOR 2K	1	
VR3801	EVM7JGA00B13	V.RESISTOR 1K	1	
X3601	VSX0789	CRYSTAL OSCILLATOR	1	
X3801	VSX0644	CRYSTAL OSCILLATOR	1	
X3802	VSX0682	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
■	VEP04668A	AUDIO P.C.BOARD	1	(RTL)
C4002	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4004	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4006	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4007	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4008	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4009,10	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C4013,14	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C4015-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C4022	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4023	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4024	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4025	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4026	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4027	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4028,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4030	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4031,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4033	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4034,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4036	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4037-42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4101,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4103	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4104,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4106	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4107	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4108	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4109,10	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	2	
C4111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4112	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4113	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4114	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4115	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4116	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4117	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C4118,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4120	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4121	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4124	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C4125,26	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C4127	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4128,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4130	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4131	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4132	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4133,34	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C4135	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4136,37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4138	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4139	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4140	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4141,42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4143	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4144,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4146	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4147	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4201-06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C4208	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4210,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4212-14	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C4215,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4217,18	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	2	
C4219	ECEV1HV0R1Q	E.CAPACITOR CH 50V 0.1U	1	
C4220-22	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	3	
C4223	ECEV1HV0R1Q	E.CAPACITOR CH 50V 0.1U	1	
C4224	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C4225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4311	ECST1CD476Z	T.CAPACITOR CH 16V 47U	1	
C4312	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4313	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C4314	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C4315,16	ECHS1682JZ	P.CAPACITOR 6800P	2	
C4317	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4318	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4319	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C4320	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4321	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4322	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4323	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C4325	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4326	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4327	VCC0030	C.CAPACITOR	1	
C4328	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C4329	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	1	
C4333	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4401	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
C4402,03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4404	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C4405	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4406	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4407	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4408	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C4409	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4410	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C4411	ECST1VY684Z	T.CAPACITOR CH 35V 0.68U	1	
C4412	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4413	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4414	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4415,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4417,18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C4419,20	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C4601,02	ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	2	
C4603,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4605	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4606,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4608,09	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	2	
C4610	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4611	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4612	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4613	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4614,15	ECEV0JN100Q	E.CAPACITOR CH6.3V 10U	2	
C4616	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C4617	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C4618	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
D4101,02	MA714	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D4201,02	MA142K	DIODE	2	
D4203	MA142WA	DIODE	1	
D4204	MA142WK	DIODE	1	
D4205	MA147	DIODE	1	
D4302	MA142K	DIODE	1	
D4601	MA142WA	DIODE	1	
D4602,03	MA142K	DIODE	2	
FL4301	EIR7QF012B	TRANSFORMER	1	
FL4401	VLF1069	FILTER	1	
IC4001	M51132L	IC	1	
IC4002	TA75W558FU	IC	1	
IC4003	AN1358S	IC	1	
IC4004,05	TA75W558FU	IC	2	
IC4006	XC62AP5002M	IC	1	
IC4007	NJM78L09UA	IC	1	
IC4008	NJM79L09UA	IC	1	
IC4009	XC62DN5002P	IC	1	
IC4010-12	TA75W558FU	IC	3	
IC4101	AK4503VF	IC	1	
IC4102	NJM062V	IC	1	
IC4103	XC62AP3002P	IC	1	
IC4104	TC7W125FU	IC	1	
IC4105,06	NJM062V	IC	2	
IC4201	MC14052BF	IC	1	
IC4202-05	TA75W558FU	IC	4	
IC4206	BA6138F	IC	1	
IC4207	MC14053BD	IC	1	
IC4301	TA75W558FU	IC	1	
IC4401	CXA1102M	IC	1	
IC4402	MC14053BD	IC	1	
IC4403	NJM062V	IC	1	
IC4601	MC14052BF	IC	1	
IC4602,03	NJM4580ED	IC	2	
L4101,02	VLQ0319K101	COIL 100UH	2	
L4303	VLQ0423J472	COIL 4700UH	1	
P4501	VJP3657	CONNECTOR (MALE)	1	
P4502	VJP3125B009	CONNECTOR (MALE)	1	
Q4001	2SD602A-R	TRANSISTOR	1	
Q4201-04	2SD1979	TRANSISTOR	4	
Q4205,06	2SB1219A-R	TRANSISTOR	2	
Q4207,08	2SD1979	TRANSISTOR	2	
Q4209	2SB1219A-R	TRANSISTOR	1	
Q4210,11	2SD1979	TRANSISTOR	2	
Q4304	2SB779-R	TRANSISTOR	1	
Q4305	2SD1819A-R	TRANSISTOR	1	
Q4306	2SD874-R	TRANSISTOR	1	
Q4307-09	2SD1979	TRANSISTOR	3	
Q4310	2SB1220-R	TRANSISTOR	1	
Q4311,12	2SD1821-R	TRANSISTOR	2	
Q4601	2SD1979	TRANSISTOR	1	
Q4603	2SD1979	TRANSISTOR	1	
Q4604-06	2SD1819A-R	TRANSISTOR	3	
Q4607	2SD1979	TRANSISTOR	1	
Q4609	2SD1979	TRANSISTOR	1	
Q4610-12	2SD1819A-R	TRANSISTOR	3	
QR4201-03	UN5213	TRANSISTOR-RESISTOR	3	
QR4302	UN5113	TRANSISTOR-RESISTOR	1	
QR4303	UN5213	TRANSISTOR-RESISTOR	1	
QR4304	UN5113	TRANSISTOR-RESISTOR	1	
QR4305	UN5213	TRANSISTOR-RESISTOR	1	
QR4401	UN5113	TRANSISTOR-RESISTOR	1	
QR4402	UN5213	TRANSISTOR-RESISTOR	1	
QR4403	UN5113	TRANSISTOR-RESISTOR	1	
QR4404	UN5213	TRANSISTOR-RESISTOR	1	
QR4601-03	UN5113	TRANSISTOR-RESISTOR	3	
QR4604-08	UN5213	TRANSISTOR-RESISTOR	5	
R4001	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4002	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4003	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4004	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4005,06	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R4007,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4009,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4011,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4013	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4014	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4015	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4016	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R4017	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4018,19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4020	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4021	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4101	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4102,03	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R4104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4105	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R4106	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4107	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R4108,09	ERJ3RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4110	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4111,12	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R4113,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4115,16	ERJ3RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4119,20	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R4121,22	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R4123,24	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R4125-29	ERJ3RBD103	M.RESISTOR CH 3W 10K	5	
R4130,31	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R4132-34	ERJ3RBD103	M.RESISTOR CH 3W 10K	3	
R4135-37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R4201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4202,03	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4204	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R4205	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4206	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R4207	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4208	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4211	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4212	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4213	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4214	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4216	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4217	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4218	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R4219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4220,21	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	2	
R4224,25	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4226	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4227	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4228	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4229	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4231,32	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R4233	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4235	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4236	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4237	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4238	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4241,42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4307	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4309	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4310	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4311	ERJ8GCYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4312	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4313	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4314	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4318	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4319,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4321	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4323	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R4324	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4325	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4326	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4328	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4329	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4332	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4333	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4334	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4335	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R4336	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4337	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R4338	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	1	
R4401	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4402	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4403	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4404	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4405	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4406	ERJ3RBD433	M.RESISTOR CH 3W 43K	1	
R4407	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4408,09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4411	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R4412	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4413	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R4414	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R4415	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4416	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4418	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4419	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R4604,05	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R4606,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4610,11	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R4612,13	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R4614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4616	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4617	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4620	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4621	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4622	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4623	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4624	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4625	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4626	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4627	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4628,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4630	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4631	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4632	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4633	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4634,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4636	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4639	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4640	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4641	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R4642	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4643	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4645	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4646	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4647,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R4649	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4650	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	
R4651	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4652	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4653	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
SW4601	VSS037002	SWITCH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
T4302	VLT0729	TRANSFORMER	1	
TG4101	EYF6CU	TEST POINT	1	
TP4101,02	EYF6CU	TEST POINT	2	
TP4301	EYF6CU	TEST POINT	1	
TP4302,03	VJR0098	TEST POINT	2	
TP4401	EYF6CU	TEST POINT	1	
VR4001,02	VRV0161B502	V.RESISTOR 5K	2	
VR4201,02	VRV0161B103	V.RESISTOR 10K	2	
VR4301	VRV0161B104	V.RESISTOR 10K	1	
VR4302	VRV0161B103	V.RESISTOR 10K	1	
VR4401	VRV0161B503	V.RESISTOR 50K	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
■	VEP05348B	RE P.C.BOARD	1	(RTL)
C5005-08	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5009	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C5010-13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5014-17	ECEA1CGE101	E.CAPACITOR 16V 100U	4	
C5018-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5022	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C5023	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5026	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5027	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5028-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5032	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5034,35	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C5036	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5037-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C5045-48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C5049-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C5059,60	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	2	
C5061,62	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C5063,64	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C5065,66	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C5067,68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5069,70	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	
C5071-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5075,76	ECEV1EN4R7Q	E.CAPACITOR CH 25V 4.7U	2	
C5077-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5103,04	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C5105,06	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	2	
C5107,08	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C5109	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5110	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C5113,14	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C5201-04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C5205	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C5206-09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C5210	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C5211-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5217-20	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C5221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5222,23	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C5224,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5227	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5251-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5254	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C5255,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5257-59	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C5260	ECUX1C474ZFN	C.CAPACITOR CH 16V 0.47U	1	
C5262	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5264	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C5265	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5267	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5268	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5270	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5273-75	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C5276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5277	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5278,79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5280	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5281,82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5284	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C5286	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5287,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5290-93	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C5294	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5296	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5297	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5298	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5299-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5304	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5305	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C5306-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5310	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5311-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5317	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C5402-05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C5406	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C5407-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5413	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5414-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5417	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C5418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5419	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C5420	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5421-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5427,28	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C5429	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5430	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5431	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5432	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5433	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5434	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5435	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5436,37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5438	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C5439	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5440	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5441	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5442	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5443	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5444	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5445	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5446	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5447	ECUX1H821JV	C.CAPACITOR CH 50V 820P	1	
C5448	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5449-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5452	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5453-55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5457,58	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C5459	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5460	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5461	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5462-65	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C5466	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C5467	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5468	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C5469	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5470-77	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	8	
C5501	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5508,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5511,12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C5514	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5515-19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C5520	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5521-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5529	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5533-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5601,02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5604	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5606-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C5628-30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5632-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C5642	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5644,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5666,67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5672-80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C5751	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C5752	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C5753,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5757,58	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C5759,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5761,62	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C5763	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5769-74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C5775	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C5776	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C5777-79	ECEA1CGE101	E.CAPACITOR 16V 100U	3	
C5780-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C5790	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5791	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C5793,94	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5800-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C5803	ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C5804	ECEA1CGE471	E.CAPACITOR 16V 470U	1	
C5805,06	ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C5807-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
D5001-04	MA152WK	DIODE	4	
D5501	MA152K	DIODE	1	
D5751	MA153	DIODE	1	
FL5001-05	VLF0931	FILTER	5	
FL5751-59	VLF0931	FILTER	9	
IC5001	MB10HL116PFF	IC	1	
IC5002	MB10HL131PF	IC	1	
IC5003,04	MB10HL116PFF	IC	2	
IC5005	AN78M08	IC	1	
IC5006	AN79M08F	IC	1	
IC5201,02	UPC5102GS030	IC	2	
IC5251	MC1495M	IC	1	
IC5252	UPC1663G	IC	1	
IC5253	NJM1496M	IC	1	
IC5254	NJM082BM	IC	1	
IC5255	NJM319V	IC	1	
IC5401	AN3730FA	IC	1	
IC5402	TC4S66F	IC	1	
IC5403	AN3740FAP	IC	1	
IC5404	TC4S66F	IC	1	
IC5405	NJM064V	IC	1	
IC5406	NJM084M	IC	1	
IC5407	NJM082BV	IC	1	
IC5501	UPC1663G	IC	1	
IC5502	AD9057BRS	IC	1	
IC5503	T74LCX244F	IC	1	
IC5507	S80727ANDQ	IC	1	
IC5508	TC6326AF	IC	1	
IC5509	NJM084M	IC	1	
IC5510	TVHC32FT	IC	1	
IC5512	MC10H124M	IC	1	
IC5601	TCVHC86F	IC	1	
IC5602	M62370GP	IC	1	
IC5604	NJM064V	IC	1	
IC5605	TCVHCT04F	IC	1	
IC5606	TVHC32FT	IC	1	
IC5607-10	MC14053BF	IC	4	
IC5611	NJM064V	IC	1	
IC5612	NJM062M	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC5613	NJM064V	IC	1	
IC5751	MC74HC4066F	IC	1	
IC5752	TVHC32FT	IC	1	
IC5753	TCVHCT04F	IC	1	
IC5754	TCVHC74F	IC	1	
IC5755	TCVHC86F	IC	1	
IC5757	TVHC32FT	IC	1	
IC5758	TVHC153FT	IC	1	
IC5759	TCVHCT04F	IC	1	
IC5760	XC62AP3002P	IC	1	
IC5761	XC62AP3202P	IC	1	
IC5762	XC62AP3002P	IC	1	
IC5763	TC7SH86FU	IC	1	
L5001-04	VLQ0163J330	COIL 33UH	4	
L5101-04	VLQ0163J2R2	COIL 2.2UH	4	
L5251	VLQ0163J1R0	COIL 1UH	1	
L5252,53	VLQ0163J101	COIL 100UH	2	
L5254	VLQ0163JR68	COIL	1	
L5255	VLQ0163JR39	COIL	1	
L5256	VLQ0163JR33	COIL 0.33UH	1	
L5258,59	VLQ0163JR39	COIL	2	
L5260	VLQ0163JR68	COIL	1	
L5401-07	VLQ0771R10K	COIL 1UH	7	
L5503	VLP0155	COIL	1	
P5000	VJP3454B096	CONNECTOR (MALE)	1	
P5001	VJS3900C013	CONNECTOR (FEMALE)	1	
P5201	VJS3900C010	CONNECTOR (FEMALE)	1	
Q5001	2SD2402	TRANSISTOR	1	
Q5002-05	2SB710A-R	TRANSISTOR	4	
Q5006,07	2SC3130	TRANSISTOR	2	
Q5008,09	2SA1022-C	TRANSISTOR	2	
Q5010,11	2SD1979	TRANSISTOR	2	
Q5012,13	2SC2954	TRANSISTOR	2	
Q5014	2SD1979	TRANSISTOR	1	
Q5015	2SA1022-C	TRANSISTOR	1	
Q5016	2SD1979	TRANSISTOR	1	
Q5017	2SA1022-C	TRANSISTOR	1	
Q5018,19	2SK508-B	TRANSISTOR	2	
Q5020,21	2SC2954	TRANSISTOR	2	
Q5022,23	2SD1979	TRANSISTOR	2	
Q5024,25	2SK508-B	TRANSISTOR	2	
Q5026,27	2SD1979	TRANSISTOR	2	
Q5028,29	2SC2954	TRANSISTOR	2	
Q5030,31	2SC3130	TRANSISTOR	2	
Q5103,04	2SB709A-R	TRANSISTOR	2	
Q5105-08	2SC3735	TRANSISTOR	4	
Q5201-03	2SB710A-R	TRANSISTOR	3	
Q5204-09	2SD1979	TRANSISTOR	6	
Q5210	2SC2295-C	TRANSISTOR	1	
Q5211	XN6537	TRANSISTOR-RESISTOR	1	
Q5212	2SC2295-C	TRANSISTOR	1	
Q5251	2SB710A-R	TRANSISTOR	1	
Q5252	XN5531	TRANSISTOR-RESISTOR	1	
Q5253	2SB710A-R	TRANSISTOR	1	
Q5254,55	2SK508K512	TRANSISTOR	2	
Q5256	2SB710A-R	TRANSISTOR	1	
Q5257	XN5531	TRANSISTOR-RESISTOR	1	
Q5258	2SB710A-R	TRANSISTOR	1	
Q5259-62	2SD1979	TRANSISTOR	4	
Q5263,64	2SC3130	TRANSISTOR	2	
Q5265	XN5531	TRANSISTOR-RESISTOR	1	
Q5266,67	2SC3130	TRANSISTOR	2	
Q5401	XN5531	TRANSISTOR-RESISTOR	1	
Q5402,03	2SC3130	TRANSISTOR	2	
Q5404	XN5531	TRANSISTOR-RESISTOR	1	
Q5601	2SA1022-C	TRANSISTOR	1	
Q5602	2SB710A-R	TRANSISTOR	1	
Q5751	2SB709A-R	TRANSISTOR	1	
Q5752	2SD601A-R	TRANSISTOR	1	
Q5753,54	2SA1022-C	TRANSISTOR	2	
QR5001	UN5215	TRANSISTOR-RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR5002	UN5213	TRANSISTOR-RESISTOR	1	
QR5003	UN5114	TRANSISTOR-RESISTOR	1	
QR5004-06	UN5213	TRANSISTOR-RESISTOR	3	
QR5101,02	UN5215	TRANSISTOR-RESISTOR	2	
QR5751,52	UN2215-R	TRANSISTOR-RESISTOR	2	
R5001,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5003,04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5005	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5006	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5007	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5008	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5009-12	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	4	
R5013	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5014,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5018,19	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2	
R5020,21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5022,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5024	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5026,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5028,29	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R5030	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5031,32	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	2	
R5033,34	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	2	
R5035	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5036-39	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	4	
R5040,41	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R5042,43	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5044	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5045,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5047	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5048	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5049	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5052-55	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R5056-59	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R5060,61	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5062,63	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R5064,65	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R5066,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5068,69	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	2	
R5070,71	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5072,73	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5074,75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5076,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R5078,79	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R5080,81	ERJ12YJ270	M.RESISTOR CH 1/2W 270	2	
R5082,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5084,85	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5086,87	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	2	
R5088-90	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	3	
R5091	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5092	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R5093	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5094,95	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5107,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5109,10	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	
R5111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5112	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5113	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5114	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5115	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5116	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5117,18	ERJ8GCYG101	M.RESISTOR CH 1/8W 100	2	
R5119,20	ERJ8GCYJ680	M.RESISTOR CH 1/8W 68	2	
R5121,22	ERJ8GCYG101	M.RESISTOR CH 1/8W 100	2	
R5123	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5124	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5125	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5126	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5127,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5129-34	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5202	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5203,04	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R5205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5206	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5207	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209-12	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	4	
R5213,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5215,16	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R5217,18	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R5219,20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5221,22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R5223	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5224	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5226	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R5227	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R5228	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5229	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R5230-32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R5251	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5252,53	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5254,55	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5256	ERJ3RBD391	M.RESISTOR CH 3W 390	1	
R5257	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5258,59	ERJ3RBD181	M.RESISTOR CH 3W 180	2	
R5260,61	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R5262,63	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5264	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5265	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5266,67	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5268	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5269	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5270	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5271,72	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5273	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5274,75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5277,78	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R5279,80	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5281	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5282	ERJ3RED510	M.RESISTOR CH 3W 51	1	
R5283	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5284,85	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R5286	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5287	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R5288	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5289-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R5293	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5294	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5295	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5296	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5297	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5298,99	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5300-04	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	5	
R5305	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5306-09	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5310,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5312	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5313	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5314	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5315	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5316	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5317	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5318	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5319	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5320	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5321	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R5322,23	ERJ3RBD332	M.RESISTOR CH 3W 3.3K	2	
R5325	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R5326	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5327	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5328	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5329,30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5331	ERJ3RBD153	M.RESISTOR CH 3W 15K	1	
R5332	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5333	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5334,35	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R5336-39	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5340,41	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R5343	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5344	ERJ3RBD273	M.RESISTOR CH 3W 27K	1	
R5345	ERJ3RBD392	M.RESISTOR CH 3W 3.9K	1	
R5346	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5347	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5348	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5349	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5350	ERJ3RBD682	M.RESISTOR CH 3W 6.8K	1	
R5351	ERJ3RBD153	M.RESISTOR CH 3W 15K	1	
R5352	ERJ3RBD682	M.RESISTOR CH 3W 6.8K	1	
R5403,04	ERJ3RBD561	M.RESISTOR CH 3W 560	2	
R5407	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5409,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5411	ERJ3RBD562	M.RESISTOR CH 3W 5.2K	1	
R5412	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5413	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5414	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5415,16	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5417	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5418	ERJ3RBD272	M.RESISTOR CH 3W 2.7K	1	
R5419	ERJ3RBD332	M.RESISTOR CH 3W 3.3K	1	
R5420	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5422,23	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5424	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5426	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5428	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5429	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5430	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5431	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5432	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5433	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5434	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5435	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5436	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5437	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5438	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5440	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5441	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5442	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5443,44	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5445	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5446	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R5448	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5449	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5450	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5452	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5453	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5454	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R5455	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5456	ERJ3RED510	M.RESISTOR CH 3W 51	1	
R5457	ERJ3RED750	M.RESISTOR CH 3W 75	1	
R5458	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5459	ERJ3RBD822	M.RESISTOR CH 3W 8.2K	1	
R5460-62	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R5463	ERJ3RBD182	M.RESISTOR CH 3W 8.2K	1	
R5466	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5505,06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5510,11	ERJ3RED360	M.RESISTOR CH 3W 36	2	
R5513,14	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5515,16	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R5517	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R5518	ERJ3RED510	M.RESISTOR CH 3W 51	1	
R5519	ERJ3RBD821	M.RESISTOR CH 3W 820	1	
R5520	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5531	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R5534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5535	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5543	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5548	ERJ3RBD332	M.RESISTOR CH 3W 3.3K	1	
R5549	ERJ3RBD183	M.RESISTOR CH 3W 18K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5550	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5552	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5553	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5557	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5559	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5560-63	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	4	
R5564	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5565-68	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5571	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5572	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5573	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5601-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R5609-11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5619	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5621	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R5622	ERJ3RBD123	M.RESISTOR CH 3W 12K	1	
R5623	ERJ3RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R5624	ERJ3RBD333	M.RESISTOR CH 3W 33K	1	
R5625	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5626	ERJ3RBD153	M.RESISTOR CH 3W 15K	1	
R5627	ERJ3RBD332	M.RESISTOR CH 3W 3.3K	1	
R5628	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5629,30	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R5631	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5633-35	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5638,39	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5640	ERJ3RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R5641	ERJ3RBD123	M.RESISTOR CH 3W 12K	1	
R5642	ERJ3RBD333	M.RESISTOR CH 3W 33K	1	
R5643	ERJ3RBD153	M.RESISTOR CH 3W 15K	1	
R5644	ERJ3RBD332	M.RESISTOR CH 3W 3.3K	1	
R5645,46	ERJ3RBD153	M.RESISTOR CH 3W 15K	2	
R5647,48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5660	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5667	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5672	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5674,75	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5676	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5677	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5678	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5679	ERJ3RBD562	M.RESISTOR CH 3W 5.2K	1	
R5680	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5682	ERJ3RBD822	M.RESISTOR CH 3W 8.2K	1	
R5683	ERJ3RBD153	M.RESISTOR CH 3W 15K	1	
R5684	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5685	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5690	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5695	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5696	ERJ3RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R5697	ERJ3RBD272	M.RESISTOR CH 3W 2.7K	1	
R5698,99	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5700	ERJ3RBD473	M.RESISTOR CH 3W 47K	1	
R5701,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5703,04	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R5705-10	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R5751	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5752	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5753	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5754-58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R5760-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R5772,73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5774-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R5778	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5779,80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5781,82	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5783-87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R5788	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5789	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5790	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5791	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5792	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5793-96	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5797	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5798,99	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5803	ERDS2TJ390	C.RESISTOR 1/4W 39	1	
R5804-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R5807	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5808,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R5810-20	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	11	
TG5001	EYF6CU	TEST POINT	1	
TG5251	EYF6CU	TEST POINT	1	
TG5401	EYF6CU	TEST POINT	1	
TG5502	EYF6CU	TEST POINT	1	
TG5751	EYF6CU	TEST POINT	1	
TP5001-04	EYF6CU	TEST POINT	4	
TP5101,02	EYF6CU	TEST POINT	2	
TP5251,52	EYF6CU	TEST POINT	2	
TP5401-04	EYF6CU	TEST POINT	4	
TP5751,52	EYF6CU	TEST POINT	2	
TP5755-57	EYF6CU	TEST POINT	3	
TP5759	EYF6CU	TEST POINT	1	
TP5901-08	EYF6CU	TEST POINT	8	
VR5402	VRV0161B502	V.RESISTOR 5K	1	
		MISCELLANEOUS		
	VMP5358	P.C.B. ANGLE	2	
	XTV3+6FFR	SCREW	2	
■	VEP06B93B	RS-232C P.C.BOARD	1	(RTL)
C6001-05	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	5	
IC6001	ADM202JN	IC	1	
L6001-03	VLP0083	COIL	3	
P6001	VJS2582B009	CONNECTOR (FEMALE)	1	
P6002	VJS3533	CONNECTOR (FEMALE)	1	
R6001-03	ERDS2TJ100	C.RESISTOR 1/4W 10	3	
TG6005	VJR0098	TEST POINT	1	
TP6001-04	VJR0098	TEST POINT	4	
		MISCELLANEOUS		
	XSB3+6FZ	SCREW	2	
	VMP5359	ANGLE	1	
■	VEP06C83A	AV SYSCON P.C.BOARD	1	(RTL)
C60001	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60002	ECEV1HVR33Q	E.CAPACITOR CH 50V 0.33U	1	
C60003	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60004	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C60005,06	VCK0152	C.CAPACITOR	2	
C60007-11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C60012	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C60013-24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	12	
C60025	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C60102	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60201-11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	11	
C60301-07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
C60401-04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C60405	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C60406	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C60407	VCK0152	C.CAPACITOR	1	
C60408,09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C60501-05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C60601,02	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C60901,02	ECUX1H150JCN	C.CAPACITOR CH 50V 15P	2	
C60903	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C60904	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C60905	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C60906	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C60907-11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C60912	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C60913,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C61001	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
D60201	MA143	DIODE	1	
D60401	MA142K	DIODE	1	
D60402-05	MA142WK	DIODE	4	
FL60001,02	VLF0941C223	FILTER	2	
IC60001	S80730ANDT	IC	1	
IC60002	M31010M6104H	IC	1	
IC60003	TVHC14FT	IC	1	
IC60004	TVHC08FT	IC	1	
IC60005	TVHC04FT	IC	1	
IC60006	TVHC32FT	IC	1	
IC60007	TVHC74FT	IC	1	
IC60008	TVHC126FT	IC	1	
IC60009	TVHC138FT	IC	1	
IC60101	MBLV80B12PF	IC	1	
IC60201	T163G26-1019	IC	1	
IC60202	TVHC14FT	IC	1	
IC60203	TVHC04FT	IC	1	
IC60204	UPC393G2	IC	1	
IC60301	LVXC3245QSC	IC	1	
IC60302,03	UPD71055GB	IC	2	
IC60304-06	TVHT541FT	IC	3	
IC60307	TVHC139FT	IC	1	
IC60401	TVHC08FT	IC	1	
IC60402	MC14538BF	IC	1	
IC60403	TVHC123FT	IC	1	
IC60404	MC14538BF	IC	1	
IC60501	TVHC245FT	IC	1	
IC60502-05	TVHC244FT	IC	4	
IC60901	TC7W04F	IC	1	
IC60902	TVHC32FT	IC	1	
IC60903	TVHC126FT	IC	1	
IC60904	HD641180XF6	IC	1	
IC60905	TL7705CPSB	IC	1	
IC60906	VS12833	IC	1	
IC60907	STK12C68S45	IC	1	
IC61001	IDT71321A55	IC	1	
L60001	VLQ0319K100	COIL 10UH	1	
L60901	VLQ0319K470	COIL 47UH	1	
P60001	VJS3406B009	CONNECTOR (FEMALE)	1	
P60601	VJP3657	CONNECTOR (MALE)	1	
P60801	VJS3791B050	CONNECTOR (FEMALE)	1	
P60802	VJS3826A020	CONNECTOR (FEMALE)	1	
P60901	VJS3406B009	CONNECTOR (FEMALE)	1	
QR60001	UN5213	TRANSISTOR-RESISTOR	1	
QR60201	UN5213	TRANSISTOR-RESISTOR	1	
QR60401-21	UN5214	TRANSISTOR-RESISTOR	21	
R60001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60002	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R60003	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60005-08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R60009	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60010	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R60012	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60014,15	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R60016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60018	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60019	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60020-28	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R60029	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R60030-37	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	8	
R60038	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R60039,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60042,43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60046,47	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60048	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60104,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60106	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60204,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60206	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60207	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R60208	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60209	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60211,12	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R60213	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60215	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60216,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R60218-22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60224,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R60226,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R60228,29	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R60230-39	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	10	
R60240	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R60241	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60242-47	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R60248-52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R60253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R60262	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R60263	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R60264	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R60301-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60306-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R60309-42	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	34	
R60401-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R60409-13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R60414	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R60415	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R60416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60417	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R60501-03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R60504-06	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R60507-43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	37	
R60544-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	8	
R60601	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60602	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R60901,02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R60904-08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R60910-32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	23	
R60933	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R60934-38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R60939-41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R61001,02	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
SW60901	VSS0367-04TB	SWITCH	1	
TG60001	EYF6CU	TEST POINT	1	
TG60907	EYF6CU	TEST POINT	1	
TP60001,02	EYF6CU	TEST POINT	2	
TP60004,05	EYF6CU	TEST POINT	2	
TP60902-04	EYF6CU	TEST POINT	3	
U60906	VJS2336A028	CONNECTOR (FEMALE)	1	
VR60001,02	VRV0161B203	V.RESISTOR 20K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
X60001	VSX0833	CRYSTAL OSCILLATOR	1	
X60901	VSX0641	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	XYN2+J6	SCREW	2	
■	VEP03D92A	REAR J P.C.BOARD	1	(RTL)
C701,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C703,04	ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C706,07	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C708	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C709,10	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C711	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C715,16	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C717	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C718	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C719	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C720,21	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C726,27	ECEA1CKN330	E.CAPACITOR 16V 33U	2	
D701-03	MA151K	DIODE	3	
FL701,02	VLP0145	COIL	2	
FL703,04	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
FL705-12	VLP0145	COIL	8	
IC701	MC74HC4053F	IC	1	
IC702	XC62AP5002P	IC	1	
IC703	XC62DN5002P	IC	1	
J701,02	VJS3155	CONNECTOR (FEMALE)	2	
J703-06	VJS3154	CONNECTOR (FEMALE)	4	
J707,08	VJJ0323	RCA PIN JACK	2	
L701-04	VLQ0319K101	COIL 100UH	4	
P701,02	VJP3600F016K	CONNECTOR (MALE)	2	
QR701-03	XN4601	TRANSISTOR-RESISTOR	3	
QR705	XN4501	TRANSISTOR-RESISTOR	1	
QR706	XN4401	TRANSISTOR-RESISTOR	1	
QR707	XN4501	TRANSISTOR-RESISTOR	1	
QR708	XN4401	TRANSISTOR-RESISTOR	1	
QR709	XN4501	TRANSISTOR-RESISTOR	1	
QR710	XN4401	TRANSISTOR-RESISTOR	1	
QR711	XN4501	TRANSISTOR-RESISTOR	1	
QR712	XN4401	TRANSISTOR-RESISTOR	1	
QR713	XN4501	TRANSISTOR-RESISTOR	1	
QR714	UN5113	TRANSISTOR-RESISTOR	1	
R701-03	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	3	
R704	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R705	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R707	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R708	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R709	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R710	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R711	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R712	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R713	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R714	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R715	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R716	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R717-19	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	3	
R721	ERJ6GEYJ620	M.RESISTOR CH 1/10W 62	1	
R724	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R726	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	

AJ-D230HP
VEP03D92A / VEP06B94A / VEP00Y35A / VEP80856A / VEK7793

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R727	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R728	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R729	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R731	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R732	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R733,34	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R735	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R736,37	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R738	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R740	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R741	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R742	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R743	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R744	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R745	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R746	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R747	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R748	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R750	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R751	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R752,53	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R754,55	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R756	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R758	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R759	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R760,61	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R762	ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	1	
R763,64	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R765	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R766	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
■	VEP06B94A	FRONT P.C.BOARD	1	(RTL)
■	VEP00Y35A	REMOTE P.C.BOARD	1	(RTL)FOR VEP06B94A
C65001	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C65002,03	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C65004	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C65005	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C65006	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C65007	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C65008	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C65009,10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C65011,12	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D65002	MA701A	DIODE	1	
D65003-07	MA153	DIODE	5	
D65008-10	MA151K	DIODE	3	
D65101-13	MA151K	DIODE	13	
D65116-19	MA151K	DIODE	4	
D65120-23	LN38GCPP	LED	4	
D65124	LN28RCPP	LED	1	
D65125-28	LN38GCPP	LED	4	
DP65001	VSL0489	DISPLAY	1	
IC65001	UPD75236J038	IC	1	
IC65002	MN1382-R	IC	1	
J65001	VJJ0571	JACK	1	
J65005	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
J65301	VJJ0277	REMOTE CONTROL JACK	1	
L65001,02	VLQ0319K101	COIL 100UH	2	
L65003	VLQ0319K121	COIL	1	
P65001	VJS3537B024G	CONNECTOR (FEMALE)	1	
P65003	VJP3042A006W	CONNECTOR (MALE)	1	
P65301	VJS3042B006W	CONNECTOR (FEMALE)	1	
Q65002,03	2SB710A-R	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q65101-08	MSD601	TRANSISTOR	8	
QR65002,03	MUN2213	TRANSISTOR-RESISTOR	2	
R65001	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R65003	ERJ6RBD752	M.RESISTOR CH 1/10W 7.5K	1	
R65004,05	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R65007	ERJ6RBD752	M.RESISTOR CH 1/10W 7.5K	1	
R65008	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R65011-13	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	
R65014	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R65015-23	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	9	
R65024-27	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R65028,29	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R65030	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R65031-33	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	
R65035-42	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	8	
R65043-50	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	8	
R65051-58	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	8	
R65064	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R65065	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R65066	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R65067	ERJ6RBD683	M.RESISTOR CH 1/10W 68K	1	
R65069,70	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R65071-74	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	4	
R65075,76	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R65079-95	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	17	
R65096	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R65101-08	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	8	
R65109-16	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	8	
R65117	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
SW65101-06	EVQQS307K	SWITCH	6	
SW65107	EVQ11409K	SWITCH	1	
SW65108-11	EVQQS307K	SWITCH	4	
SW65112,13	VSS0249	SWITCH	2	
SW65114	EVQQS307K	SWITCH	1	
VR65001,02	EVUFMAEA3B24	V.RESISTOR 20K	2	
VR65003	EVJYM0F15C23	V.RESISTOR 2K	1	
X65001	VSX0140	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VJF1296	LCD HOLDER	1	
	VGQ0458	SPACER	9	
■	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE) 9P	1	
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■	VEK7793	MOTOR P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	VJP1230T	CONNECTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP02545G	SERVO P.C.BOARD	1	(RTL)
C2001	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2003	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2101	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2103	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2107,08	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2109,10	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	2	
C2111,12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2113	ECEV1HVR33Q	E.CAPACITOR CH 50V 0.33U	1	
C2114	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2115	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2116	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2117	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2201	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C2202	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2203	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2204	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2205	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C2206	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2208,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2210	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2211	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C2212	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2213,14	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	2	
C2215,16	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	2	
C2217	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2218,19	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C2221	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C2222,23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2224	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2225	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2226,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2301	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2302,03	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2304	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2305,06	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C2307	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2308	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2309	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2310	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2311	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2312	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C2313	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2314	VCK0152	C.CAPACITOR	1	
C2315-20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2402	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2406	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2408,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2411	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2413	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2414-16	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	3	
C2417,18	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2419	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2420,21	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2422	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2423,24	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2425	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C2426	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C2427	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2432	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2434	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2437	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2438	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2444	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2445	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2450	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C2451	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2455-57	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C2458-60	ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	3	
C2461	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C2462	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2463,64	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2465-67	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	3	
C2468-70	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	3	
C2471-76	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2477,78	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C2479	VCK0152	C.CAPACITOR	1	
C2480	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2501-06	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2507	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2508-12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C2513,14	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C2515-19	VCE0180	CAPACITOR	5	
C2520-25	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	6	
C2526-31	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C2532-37	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	6	
C2539,40	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	2	
C2541	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2542	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2543	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2601	VCE0180	CAPACITOR	1	
C2603	VCE0180	CAPACITOR	1	
C2606	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2607	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2608	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2609	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2610	VCC0037F432	C.CAPACITOR 432P	1	
C2611	VCE0180	CAPACITOR	1	
C2613	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2614	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2615	VCE0180	CAPACITOR	1	
C2617	VCE0180	CAPACITOR	1	
C2619	VCK0152	C.CAPACITOR	1	
C2620	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2621	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2622	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2707	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2708	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2709	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C2710	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C2711	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2712,13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2714	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2715	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C2716	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2717	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2719	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2721-24	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	4	
C2725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2727	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C2728,29	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2801-04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2903	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2904	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2905	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2906	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2907	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2908	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2909	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2910	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2911	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2912	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2913	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2914	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2915	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2918	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C2919	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2921	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2923-25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2926	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C2927	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2928	VCK0152	C.CAPACITOR	1	
C2932	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2934	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2935	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C2937	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C2942	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2947-49	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2951	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C2952-55	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C64001	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C64002	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C64003	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C64201,02	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C64203	ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C64204,05	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C64206	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C64207	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C64208	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C64209	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
D2001,02	MA704	DIODE	2	
D2301,02	MA143	DIODE	2	
D2401-06	MA738	DIODE	6	
D2450-55	MA738	DIODE	6	
D2501,02	MA736	DIODE	2	
D2503,04	MA728	DIODE	2	
D2601	MA728	DIODE	1	
D2602	MA736	DIODE	1	
D2603	MA728	DIODE	1	
D2604	MA736	DIODE	1	
D2701-03	MA143	DIODE	3	
D2901-04	MA143	DIODE	4	
D2906,07	MA736	DIODE	2	
D64001	MA8051-H	DIODE	1	
D64002	21DQ04	DIODE	1	
D64003-08	MA738	DIODE	6	
D64009,10	NSQ03A04	DIODE	2	
D64011,12	MA738	DIODE	2	
D64013,14	NSQ03A04	DIODE	2	
D64015-22	MA738	DIODE	8	
D64023-26	MA142WA	DIODE	4	
D64201	MA3100L	DIODE	1	
D64203	MA3068-M	DIODE	1	
D64204	MA3056-M	DIODE	1	
D64205	MA3051-M	DIODE	1	
D64209	MA3056-H	DIODE	1	
D64210	MA3100L	DIODE	1	
D64214	MA3075-M	DIODE	1	
D64215	MA738	DIODE	1	
D64216	MA142WK	DIODE	1	
FL2001	VLF0941C223	FILTER	1	
IC2101	M37774M5L435	IC	1	
IC2102	TC7SHU04FU	IC	1	
IC2103	S80730ANDT	IC	1	
IC2104,05	TC4W53FU	IC	2	
IC2106	TC7SHU04FU	IC	1	
IC2201	M37774M5L434	IC	1	
IC2202	SC371025AVFU	IC	1	
IC2203	TA75W01FU	IC	1	
IC2205	TC7W74FU	IC	1	
IC2206	TA75W01FU	IC	1	
IC2207	TVHC574FT	IC	1	
IC2209-11	TC7SHU04FU	IC	3	
IC2301	TA75W558FU	IC	1	
IC2302	TA75W393FU	IC	1	
IC2303	TA75W558FU	IC	1	
IC2304	TA75W393FU	IC	1	
IC2305	TA75W558FU	IC	1	
IC2306	TC7W74FU	IC	1	
IC2401,02	AN3834S	IC	2	
IC2404	TA75W558FU	IC	1	
IC2405	TA75W01FU	IC	1	
IC2406	TA75W393FU	IC	1	
IC2407	XC62DN5002P	IC	1	
IC2502	TA75W393FU	IC	1	
IC2503	TB6519F	IC	1	
IC2506	TB6519F	IC	1	
IC2601	TL1451CNS	IC	1	
IC2602	XC62AP5002P	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2701	UPC4556G2	IC	1	
IC2702	TC4W53FU	IC	1	
IC2703	NJM4565MD	IC	1	
IC2704	TC7W04F	IC	1	
IC2705	TC7W74FU	IC	1	
IC2801	T160G11-1258	IC	1	
IC2901	TA75W558FU	IC	1	
IC2902	TA75W393FU	IC	1	
IC2904	TA75W558FU	IC	1	
IC2905	TA75W393FU	IC	1	
IC2906,07	UPC4558G2	IC	2	
IC2908	TA75W01FU	IC	1	
IC64001	NJM2904M	IC	1	
IC64201,02	M54649L	IC	2	
L2001	VLQ0319K101	COIL 100UH	1	
L2003	VLQ0319K100	COIL 10UH	1	
L2101	VLQ0319K100	COIL 10UH	1	
L2102	VLQ0319K101	COIL 100UH	1	
L2201-03	VLQ0319K100	COIL 10UH	3	
L2502	VLQ0407120M	COIL 12UH	1	
L2503	VLQ0319K100	COIL 10UH	1	
L2504	VLQ0407151K	COIL 150UH	1	
L2505	VLQ0129	COIL 300UH	1	
L2601	VLQ0407120M	COIL 12UH	1	
L2603,04	VLQ0407151K	COIL 150UH	2	
L2701,02	VLQ0319K101	COIL 100UH	2	
L2801	VLQ0319K101	COIL 100UH	1	
L2901	VLQ0319K101	COIL 100UH	1	
L64201,02	VLQ0319K101	COIL 100UH	2	
P2001,02	VJP3949A070H	CONNECTOR (MALE)	2	
P2003	VJP1231T	CONNECTOR (MALE) 4P	1	
P2004	VJP1230T	CONNECTOR (MALE) 3P	1	
P2011	VJP3172D002	CONNECTOR (MALE)	1	
P2012	VJP3172D005	CONNECTOR (MALE)	1	
P2013	VJP3172D002	CONNECTOR (MALE)	1	
P2014	VJP3172D003	CONNECTOR (MALE)	1	
P2015	VJP3518B002	CONNECTOR (MALE)	1	
P2016	VJP3518B003	CONNECTOR (MALE)	1	
P2017	VJS3801B010	CONNECTOR (FEMALE)	1	
P2018	VJP3518B002	CONNECTOR (MALE)	1	
P2019	VJP3172D002	CONNECTOR (MALE)	1	
P2020	VJP3518B003	CONNECTOR (MALE)	1	
P2021	VJP3518B002	CONNECTOR (MALE)	1	
P2022	VJP3172D004	CONNECTOR (MALE)	1	
P2024	VJP3518B002	CONNECTOR (MALE)	1	
P2025	VJP1230T	CONNECTOR (MALE) 3P	1	
P2026	VJP1236T	CONNECTOR (MALE) 9P	1	
P2030	VJP3172D003	CONNECTOR (MALE)	1	
P2032	VJP3172D004	CONNECTOR (MALE)	1	
P2033	VJS3406B015	CONNECTOR (FEMALE)	1	
P2034,35	VJS3813C017	CONNECTOR (FEMALE)	2	
P2036	VJS3406B019	CONNECTOR (FEMALE)	1	
P2037	VJP3125B002	CONNECTOR (MALE)	1	
P2038	VJP3172D002	CONNECTOR (MALE)	1	
Q2501,02	2SB1073-R	TRANSISTOR	2	
Q2503-06	2SD1820-R	TRANSISTOR	4	
Q2507-09	2SD1119-R	TRANSISTOR	3	
Q2510-12	2SB1073-R	TRANSISTOR	3	
Q2513-15	2SD1119-R	TRANSISTOR	3	
Q2516-18	2SB1073-R	TRANSISTOR	3	
Q2601,02	2SB1073-R	TRANSISTOR	2	
Q2701	2SD1820-R	TRANSISTOR	1	
Q2702	2SB1219A-R	TRANSISTOR	1	
Q2703	2SD1820-R	TRANSISTOR	1	
Q2704,05	2SB1219-R	TRANSISTOR	2	
Q2706,07	2SD1820-R	TRANSISTOR	2	
Q2708	2SB1219A-R	TRANSISTOR	1	
Q2901	2SB1219A-R	TRANSISTOR	1	
Q64001	2SB936A-Q	TRANSISTOR	1	
Q64002	2SD1819A-R	TRANSISTOR	1	
Q64003	2SB1073-R	TRANSISTOR	1	
Q64004	2SD1819A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q64005	2SB1219A-R	TRANSISTOR	1	
Q64006	2SD1819A-R	TRANSISTOR	1	
Q64007	2SB1073-R	TRANSISTOR	1	
Q64008	2SD1624-S	TRANSISTOR	1	
Q64009	2SD1819A-R	TRANSISTOR	1	
Q64010,11	2SB1219A-R	TRANSISTOR	2	
Q64012	2SD1819A-R	TRANSISTOR	1	
Q64013	2SB1073-R	TRANSISTOR	1	
Q64014,15	2SD1624-S	TRANSISTOR	2	
Q64016	2SB1219A-R	TRANSISTOR	1	
Q64017	2SB1073-R	TRANSISTOR	1	
Q64018	2SD1624-S	TRANSISTOR	1	
Q64019,20	2SD1819A-R	TRANSISTOR	2	
Q64021	2SB1219A-R	TRANSISTOR	1	
Q64022	2SB1073-R	TRANSISTOR	1	
Q64023	2SB1219A-R	TRANSISTOR	1	
Q64024	2SD1819A-R	TRANSISTOR	1	
Q64025	2SB1073-R	TRANSISTOR	1	
Q64026	2SB1219A-R	TRANSISTOR	1	
Q64027	2SD1624-S	TRANSISTOR	1	
Q64028	2SB1073-R	TRANSISTOR	1	
Q64029	2SD1624-S	TRANSISTOR	1	
Q64030	2SD1819A-R	TRANSISTOR	1	
Q64031	2SD1624-S	TRANSISTOR	1	
Q64032	2SB1073-R	TRANSISTOR	1	
Q64033	2SB1219A-R	TRANSISTOR	1	
Q64034	2SD1624-S	TRANSISTOR	1	
Q64035	2SD1819A-R	TRANSISTOR	1	
Q64201	2SD1624-S	TRANSISTOR	1	
Q64202	2SB1073-R	TRANSISTOR	1	
Q64203	2SD1819A-R	TRANSISTOR	1	
QR2401,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2450,51	UN5213	TRANSISTOR-RESISTOR	2	
QR2501,02	UN5213	TRANSISTOR-RESISTOR	2	
QR2703,04	UN5213	TRANSISTOR-RESISTOR	2	
QR64001	UN5114	TRANSISTOR-RESISTOR	1	
QR64002	UN5214	TRANSISTOR-RESISTOR	1	
QR64003	UN5114	TRANSISTOR-RESISTOR	1	
QR64004-0	UN5214	TRANSISTOR-RESISTOR	3	
QR64007	UN5114	TRANSISTOR-RESISTOR	1	
QR64008	UN5214	TRANSISTOR-RESISTOR	1	
QR64009	UN5114	TRANSISTOR-RESISTOR	1	
QR64010,1	UN5214	TRANSISTOR-RESISTOR	2	
QR64012,1	UN5114	TRANSISTOR-RESISTOR	2	
QR64014	UN5214	TRANSISTOR-RESISTOR	1	
QR64015,1	UN5114	TRANSISTOR-RESISTOR	2	
QR64017	UN5211	TRANSISTOR-RESISTOR	1	
QR64201-0	UN5213	TRANSISTOR-RESISTOR	3	
QR64204,0	UN5211	TRANSISTOR-RESISTOR	2	
QR64212	UN5114	TRANSISTOR-RESISTOR	1	
QR64213,1	UN5214	TRANSISTOR-RESISTOR	2	
R2106	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2107	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2108	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2109	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2110	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2112,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2114	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2115-20	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	6	
R2121-24	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R2125	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2126	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2127	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2128	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2201,02	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2203,04	ERJ3RBD103	M.RESISTOR CH 3W 10K	2	
R2205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2206	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R2207,08	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R2209-12	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R2213,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2221,22	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2225	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2226	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2227	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2228	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2229	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2230	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2231-34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R2236-41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R2242	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2245	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2301	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2302	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2303	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2304	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2305	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2306	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2307	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2308	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2309	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2310	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2311	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2312	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2313-15	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R2316	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2317	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2318	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2319	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2320,21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2322	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2323	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2324	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2326	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2327	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2328	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2329	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2331	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2334	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2336,37	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2402	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2404	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2405	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2409	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R2411	ERJ3RBD182	M.RESISTOR CH 3W 8.2K	1	
R2412	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2415	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2421	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2423	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2428,29	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R2432	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2436	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2443	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R2450,51	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2452	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2453	ERJ3RBD103	M.RESISTOR CH 3W 10K	1	
R2454	ERJ3RBD182	M.RESISTOR CH 3W 8.2K	1	
R2455,56	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R2457-59	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	3	
R2460	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2461	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2462	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2463	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R2465	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2467	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2468-71	ERJ3RBD563	M.RESISTOR CH 3W 56K	4	
R2472,73	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R2474	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2476	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2477,78	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R2479-82	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	4	
R2501,02	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R2503,04	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R2505,06	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R2507,08	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R2509,10	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2511	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2512	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2513,14	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R2515-20	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R2522	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2523,24	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	2	
R2525	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2526	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2527	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2528	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2529	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2530	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2531	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2532	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2533	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2534,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2536	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2537,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2539	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2540	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2541	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2542	ERJ3GEYJ471	M.RESISTOR CH 1/16W 470	1	
R2543	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2544	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2545	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2546	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2601,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2603	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2604,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2606	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2607	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2608	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2609	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2612	ERJ3RBD183	M.RESISTOR CH 3W 18K	1	
R2614	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2615	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2618	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2619	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2622	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R2623	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2624	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2625	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2627,28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2629,30	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2701,02	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2703	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2705	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2706	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2711	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2712	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2713	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2714	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2715	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2719	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2720	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2722	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2723	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2724	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2725	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2726	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2727	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2728	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2730,31	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R2732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2734,35	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R2736	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2801	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2802	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2803,04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2806	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2808	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2901,02	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	
R2903	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2904	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2906	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2907	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2908	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2909	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2911	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2912	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2914	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	
R2915	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2916	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2917	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2919	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2920	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2921	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2922,23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2924	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2925,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2928	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2929	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R2930	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2931	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R2932-34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2935	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2937	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2942	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2944	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2949	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R2950	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2951	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R2952	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2959,60	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R2961	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2963	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R64001	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R64002	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R64003	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R64004	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R64005	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64006,07	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	2	
R64008	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64009	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64010	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64011	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64012,13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R64014,15	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64016,17	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64019	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64020	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64021	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64022	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64023	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64024	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64025,26	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R64027	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64028	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64029,30	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64031	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64032-34	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R64035	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64036	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64037-39	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R64040	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64041	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64042	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64043,44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R64045,46	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64047,48	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64049	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64050	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64052	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64053	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64054,55	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	

VEP02545G / VEK7691 / VEK7726 / VEP00Y68A

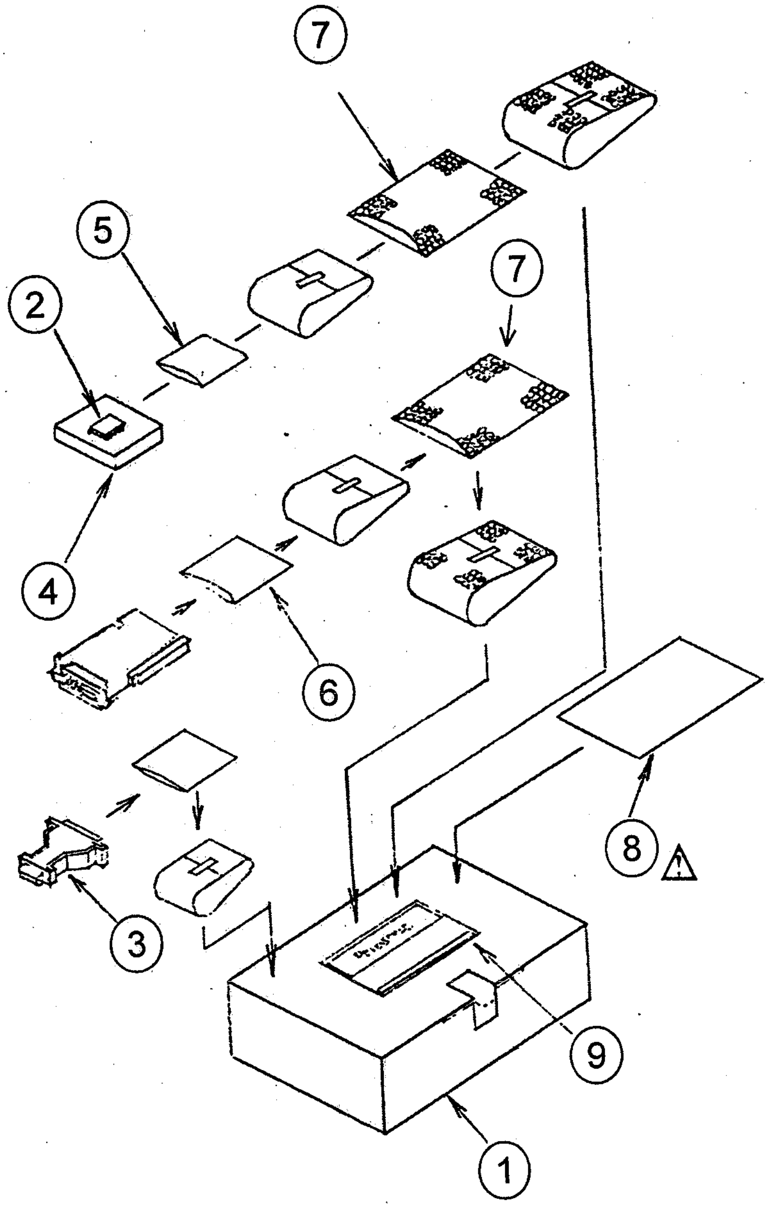
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R64056	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64057,58	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64059,60	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R64061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64062,63	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64064	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64065	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64066	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64067	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64068	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64069	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64070	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64072	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64073	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64074	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64075	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64076	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64077,78	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64079	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64080	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R64081	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64082,83	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R64084	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R64085	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64086	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64087	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	1	
R64088,89	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R64090	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64091-93	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	3	
R64094	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64095	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R64096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64097-02	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	6	
R64103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64104	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R64105,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R64107	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R64201	ERJ8GEYJ222	M.RESISTOR CH 1/8W 2.2K	1	
R64202	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R64203	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R64204	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R64205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64206	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R64207	ERJ8GEYJ300	M.RESISTOR CH 1/8W 30	1	
R64208	ERJ8GEYJ222	M.RESISTOR CH 1/8W 2.2K	1	
R64209	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R64212-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R64218,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R64223,24	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	2	
R64225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64226	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R64229	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64230	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R64231	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
TP201-05	EYF6CU	TEST POINT	5	
TP301-05	EYF6CU	TEST POINT	5	
TP701-04	EYF6CU	TEST POINT	4	
TP2401	EYF6CU	TEST POINT	1	
TP2403,04	EYF6CU	TEST POINT	2	
TP2451	EYF6CU	TEST POINT	1	
TP2453,54	EYF6CU	TEST POINT	2	
TP2801	EYF6CU	TEST POINT	1	
TP2903	EYF6CU	TEST POINT	1	
TP2906	EYF6CU	TEST POINT	1	
TPG201	EYF6CU	TEST POINT	1	
VR2201	EVM7JGA00B15	V.RESISTOR 100K	1	
X2101	VSX0821	CRYSTAL OSCILLATOR	1	
X2201	VSX0645	CRYSTAL OSCILLATOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VSC4607	SHIELD CASE	1	
	VJF1310	CONNECTOR HOLDER	2	
	VEE2795	CABLE	1	
■	VEK7691	LED HOLDER P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	VMD2528	LED HOLDER	1	
	LN159.VT	LED	1	
	VEE9576	WIRE CABLE	1	
■	VEK7726	REEL DRIVE SENSOR P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	ON1004-R	PHOTO COUPLER	2	
	VEE9788	WIRE CABLE	1	
	ERDS2TJ221	C.RESISTOR 1/4W 220	2	
■	VEP00Y68A	FFC UNIT P.C.BOARD	1	(RTL)
		MISCELLANEOUS		
	VJS3949C070M	CONNECTOR (FEMALE)	2	

AJ-YAD230P

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

PACKING PARTS ASSEMBLY



PACKING PARTS ASSEMBLY

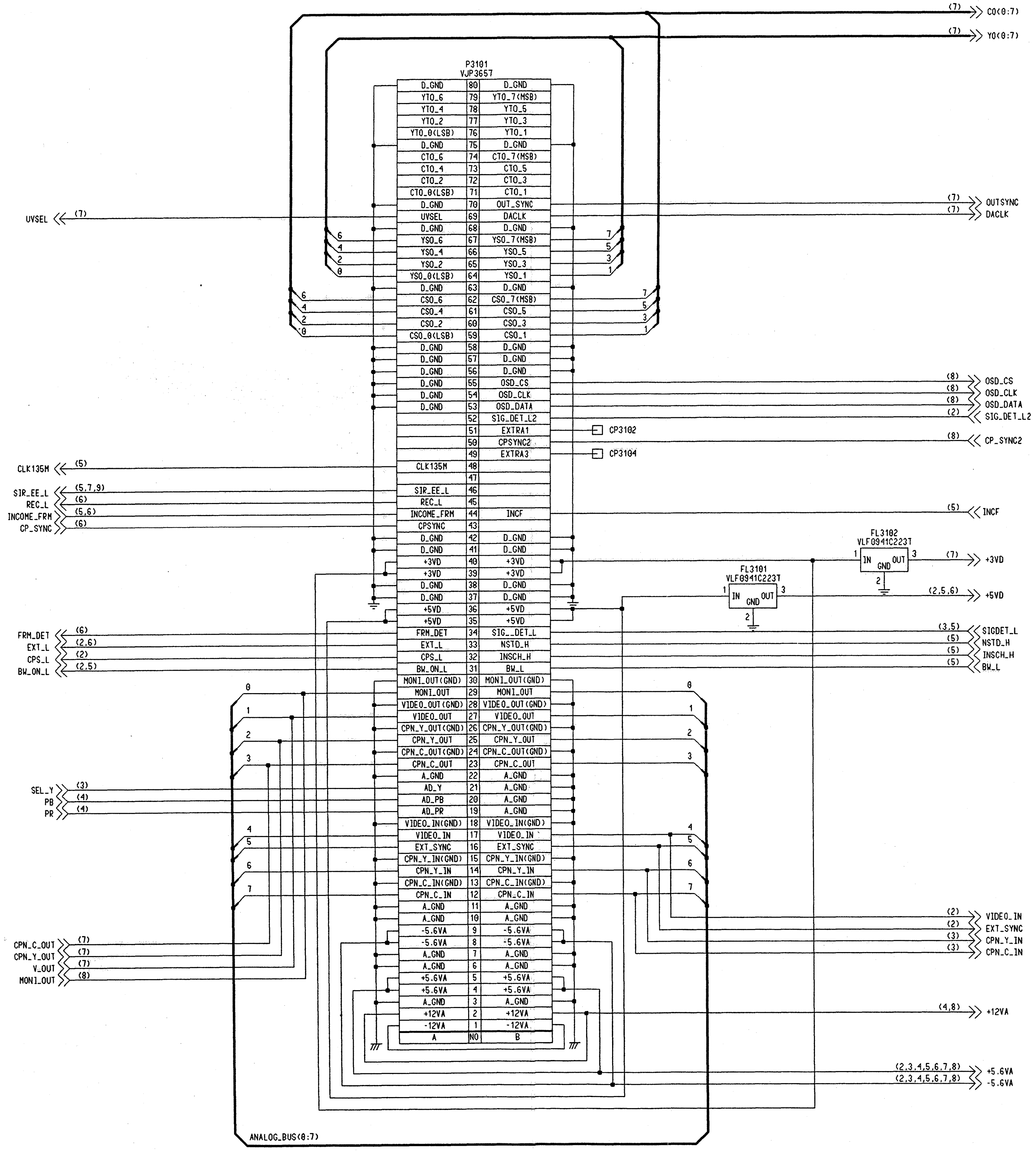
AJ-YAD230P

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG6296	PACKING CASE	1	
2	VSI2830	ROM	1	
3	VJJ0623	ATTACHMENT PLUG	1	
4	VPN4883	ROM CUSHION	1	
5	VPF0484	CONDUCTIVE BAG	1	
6	VPF0359	CONDUCTIVE BAG	1	
7	VPN2445	AIR CAP	2	
⚠ 8	VQT7632	OPERATING INSTRUCTION	1	
9	VQL8468	PACKING LABEL	1	

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■		DIGITAL VIDEO P.C.BOARD	1	(RTL)
C101-10	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	10	
C112-22	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	11	
C201-04	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C301-03	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	3	
C304-06	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	3	
C307	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
C402-05	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	
C406,07	ECUX1H120JCN	C.CAPACITOR CH 50V 12P	2	
C408-13	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	6	
C501-12	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	12	
C601-08	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	8	
C701	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C801-03	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
C804,05	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C806	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C901	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C902	ECEA1HU101	E.CAPACITOR 50V 100U	1	
C903	ECEV1AV330Q	E.CAPACITOR CH 10V 33U	1	
C904	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C905	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C906	VCEA1AAP101	E.CAPACITOR 10V 100U	1	
C907,08	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C909	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C910	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
D101-03	LN1251CAL	DIODE	3	
D901,02	SFPB-76V	DIODE	2	
D903,04	MA701A	DIODE	2	
D905	SFPB-76V	DIODE	1	
FL301-06	VLF1427	FILTER	6	
FL307-09	VLF0931	FILTER	3	
FL801,02	VLF0931	FILTER	2	
IC101	M31010M6104H	IC	1	
IC102	MAX3223CAP	IC	1	
IC103,04	TC7S14F	IC	2	
IC105,06	TC4W53FU	IC	2	
IC107	S80727ANDQ	IC	1	
IC111	MC74HC244AF	IC	1	
IC112	TCVHC240F	IC	1	
IC201	MBLV80B12PF	IC	1	
IC202,03	KM68V1CL	IC	2	
IC204	IDT71V321L5F	IC	1	
IC401	TSB21LV03APM	IC	1	
IC402	TC7SH04FU	IC	1	
IC403	TC7SH08FU	IC	1	
IC501	TSB13LV11PBW	IC	1	
IC502	TC7SH04FU	IC	1	
IC601	UPD65849G032	IC	1	
IC701	MB81V4260S7	IC	1	
IC801	TCVHC244F	IC	1	
IC901	LM2594MADJ	IC	1	
IC902	LT1086CM	IC	1	
L101-08	VLP0119	COIL	8	
L801	VLP0133	COIL	1	
L901	VLQ0319K470	COIL 47UH	1	
L902	VLQ0784102	COIL 1000UH	1	
L903	VLQ0319K470	COIL 47UH	1	
P101	VJS3406B009	CONNECTOR (FEMALE)	1	
P102	VJS2074	CONNECTOR (FEMALE)	1	
P301-03	VJP3993	CONNECTOR (MALE)	3	
P801	VJP3176B064	CONNECTOR (MALE)	1	
R101	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R102-04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R105	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R106	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R107	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R110	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R113	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R116,17	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R119	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R121-29	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	9	
R130,31	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R132	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R134,35	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R136-43	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	8	
R144	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R145-47	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R148-51	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	4	
R152,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R154,55	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R201-03	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R204-07	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	4	
R208,09	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R301-10	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	10	
R311	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R312	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R313	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R314	ERJ6GEYG560	M.RESISTOR CH 1/10W 56	1	
R315	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R401	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R402	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYG394	M.RESISTOR CH 1/10W 390K	1	
R406,07	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R409	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R410	ERJ6RBD622	M.RESISTOR CH 1/10W 6.2K	1	
R411	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R414,15	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R420,21	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R501	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R502	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R503,04	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R505	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R506	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R507-11	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	5	
R512,13	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	2	
R515	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R517	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R519	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R520	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R522-25	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	4	
R526	ERJ6GEYJ512	M.RESISTOR CH 1/10W 5.1K	1	
R529,30	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R601,02	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R603-06	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	4	
R607,08	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R609,10	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R611,12	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R701	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R801,02	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R803,04	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R805	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R806	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R807-09	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	3	
R810	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R901	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R902	ERJ6RBD302	M.RESISTOR CH 1/10W 3K	1	
R903	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R904	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R905	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R906	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R907	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R908	ERJ6RBD362	M.RESISTOR CH 1/10W 3.6K	1	
SW101	VSP1005	SWITCH	1	
SW102	VSS0367-04B	SWITCH	1	
SW103	VSS0342	SWITCH	1	
TG301	EYF6CU	TEST POINT	1	
TG801-06	VJR0646	TEST POINT	6	

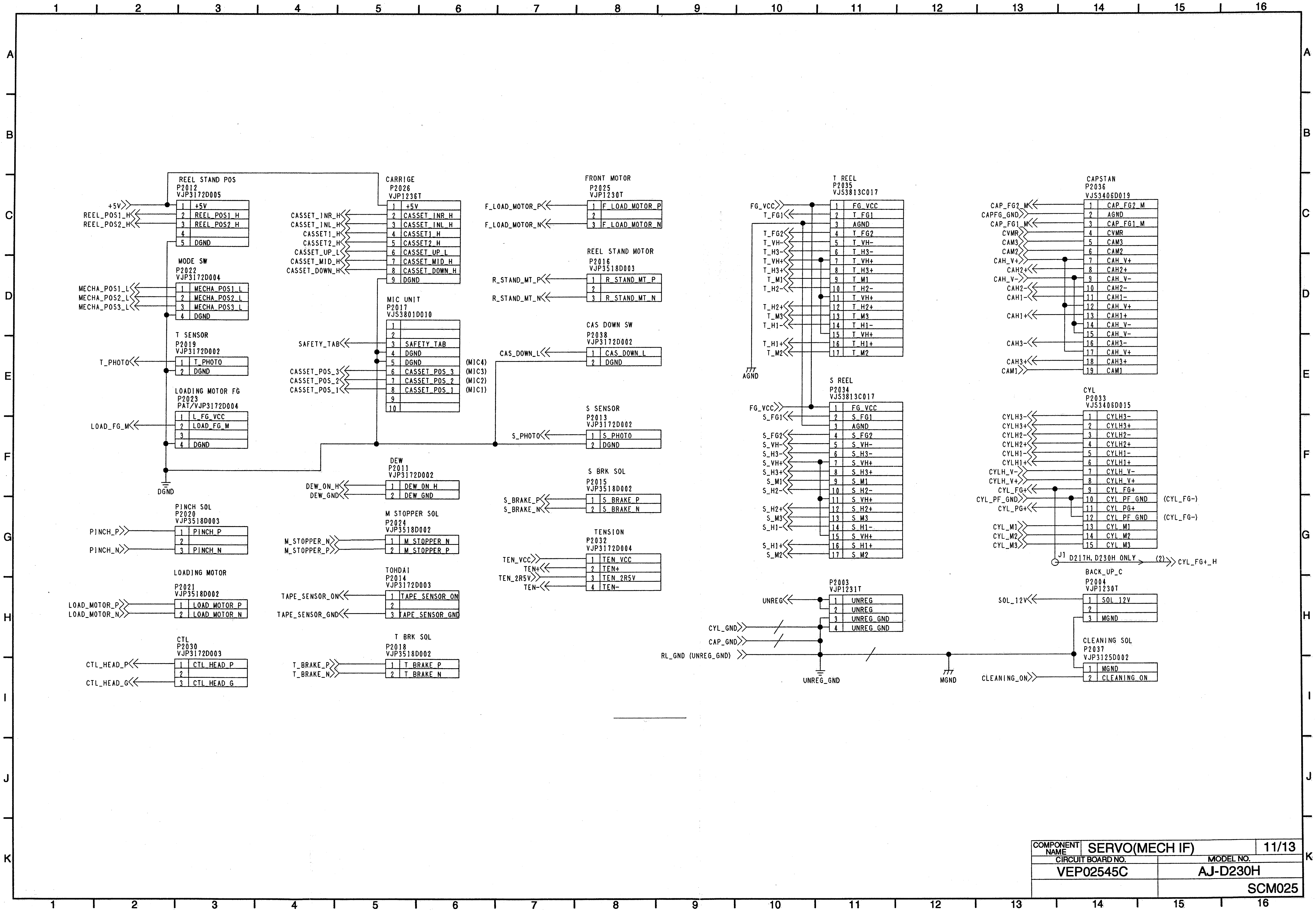
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TH301-03	VRT0148050	THERMISTOR	3	
TH901	VRT0148050	THERMISTOR	1	
TP102	EYF6CU	TEST POINT	1	
TP108-15	EYF6CU	TEST POINT	8	
TP501	EYF6CU	TEST POINT	1	
TP601-03	EYF6CU	TEST POINT	3	
TP609, 10	EYF6CU	TEST POINT	2	
TP613-15	EYF6CU	TEST POINT	3	
TP617-23	EYF6CU	TEST POINT	7	
TP628	EYF6CU	TEST POINT	1	
TP810, 11	EYF6CU	TEST POINT	2	
TP901, 02	EYF6CU	TEST POINT	2	
X101	VSX0833	CRYSTAL OSCILLATOR	1	
X401	VSX0974	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VMP5801	TERMINAL ANGLE	1	
	VMP2502	EARTH ANGLE	1	
	XTV3+6F	SCREW	2	
	XSB3+6FZ	SCREW	2	
	VHD1124	SCREW	2	


P3101
VJP3657
D_GND 80 D_GND
YTO_6 79 YTO_7(MSB)
YTO_4 78 YTO_5
YTO_2 77 YTO_3
YTO_0(LSB) 76 YTO_1
D_GND 75 D_GND
CTO_6 74 CTO_7(MSB)
CTO_4 73 CTO_5
CTO_2 72 CTO_3
CTO_0(LSB) 71 CTO_1
D_GND 70 OUT_SYNC
UVSEL 69 DACLK
D_GND 68 D_GND
YSO_6 67 YSO_7(MSB)
YSO_4 66 YSO_5
YSO_2 65 YSO_3
YSO_0(LSB) 64 YSO_1
D_GND 63 D_GND
CSO_6 62 CSO_7(MSB)
CSO_4 61 CSO_5
CSO_2 60 CSO_3
CSO_0(LSB) 59 CSO_1
D_GND 58 D_GND
D_GND 57 D_GND
D_GND 56 D_GND
D_GND 55 OSD_CS
D_GND 54 OSD_CLK
D_GND 53 OSD_DATA
52 SIG_DET_L2
51 EXTRA1
50 CPSYNC2
49 EXTRA3
CLK135M 48
47
SIR_EE_L 46
REC_L 45
INCOME_FRM 44 INCF
CPSYNC 43
D_GND 42 D_GND
D_GND 41 D_GND
+3VD 40 +3VD
+3VD 39 +3VD
D_GND 38 D_GND
D_GND 37 D_GND
+5VD 36 +5VD
+5VD 35 +5VD
FRM_DET 34 SIG__DET_L
EXT_L 33 NSTD_H
CPS_L 32 INSCH_H
BW_ON_L 31 BW_L
MONI_OUT(GND) 30 MONI_OUT(GND)
MONI_OUT 29 MONI_OUT
VIDEO_OUT(GND) 28 VIDEO_OUT(GND)
VIDEO_OUT 27 VIDEO_OUT
CPN_Y_OUT(GND) 26 CPN_Y_OUT(GND)
CPN_Y_OUT 25 CPN_Y_OUT
CPN_C_OUT(GND) 24 CPN_C_OUT(GND)
CPN_C_OUT 23 CPN_C_OUT
A_GND 22 A_GND
AD_Y 21 A_GND
AD_PB 20 A_GND
AD_PR 19 A_GND
VIDEO_IN(GND) 18 VIDEO_IN(GND)
VIDEO_IN 17 VIDEO_IN
EXT_SYNC 16 EXT_SYNC
CPN_Y_IN(GND) 15 CPN_Y_IN(GND)
CPN_Y_IN 14 CPN_Y_IN
CPN_C_IN(GND) 13 CPN_C_IN(GND)
CPN_C_IN 12 CPN_C_IN
A_GND 11 A_GND
A_GND 10 A_GND
-5.6VA 9 -5.6VA
-5.6VA 8 -5.6VA
A_GND 7 A_GND
A_GND 6 A_GND
+5.6VA 5 +5.6VA
+5.6VA 4 +5.6VA
A_GND 3 A_GND
+12VA 2 +12VA
-12VA 1 -12VA
A NO B
(7) CO(0:7)
(7) YO(0:7)
(7) OUTSYNC
(7) DACLK
UVSEL (7)
6 4 2 0
7 5 3 1
(8) OSD_CS
(8) OSD_CLK
(8) OSD_DATA
(2) SIG_DET_L2
CP3102
(8) CP_SYNC2
CP3104
CLK135M (5)
SIR_EE_L (5,7,9)
REC_L (6)
INCOME_FRM (5,6)
CP_SYNC (6)
(5) INCF
FL3102
VLF0941C223T
1 IN GND OUT 3
2
(7) +3VD
FL3101
VLF0941C223T
1 IN GND OUT 3
2
(2,5,6) +5VD
FRM_DET (6)
EXT_L (2,6)
CPS_L (2)
BW_ON_L (2,5)
(3,5) SIGDET_L
(5) NSTD_H
(5) INSCH_H
(5) BW_L
0 1 2 3 4 5 6 7
SEL_Y (3)
PB (4)
PR (4)
(2) VIDEO_IN
(2) EXT_SYNC
(3) CPN_Y_IN
(3) CPN_C_IN
CPN_C_OUT (7)
CPN_Y_OUT (7)
V_OUT (7)
MONI_OUT (8)
(4,8) +12VA
(2,3,4,5,6,7,8) +5.6VA
(2,3,4,5,6,7,8) -5.6VA
ANALOG_BUS(0:7)

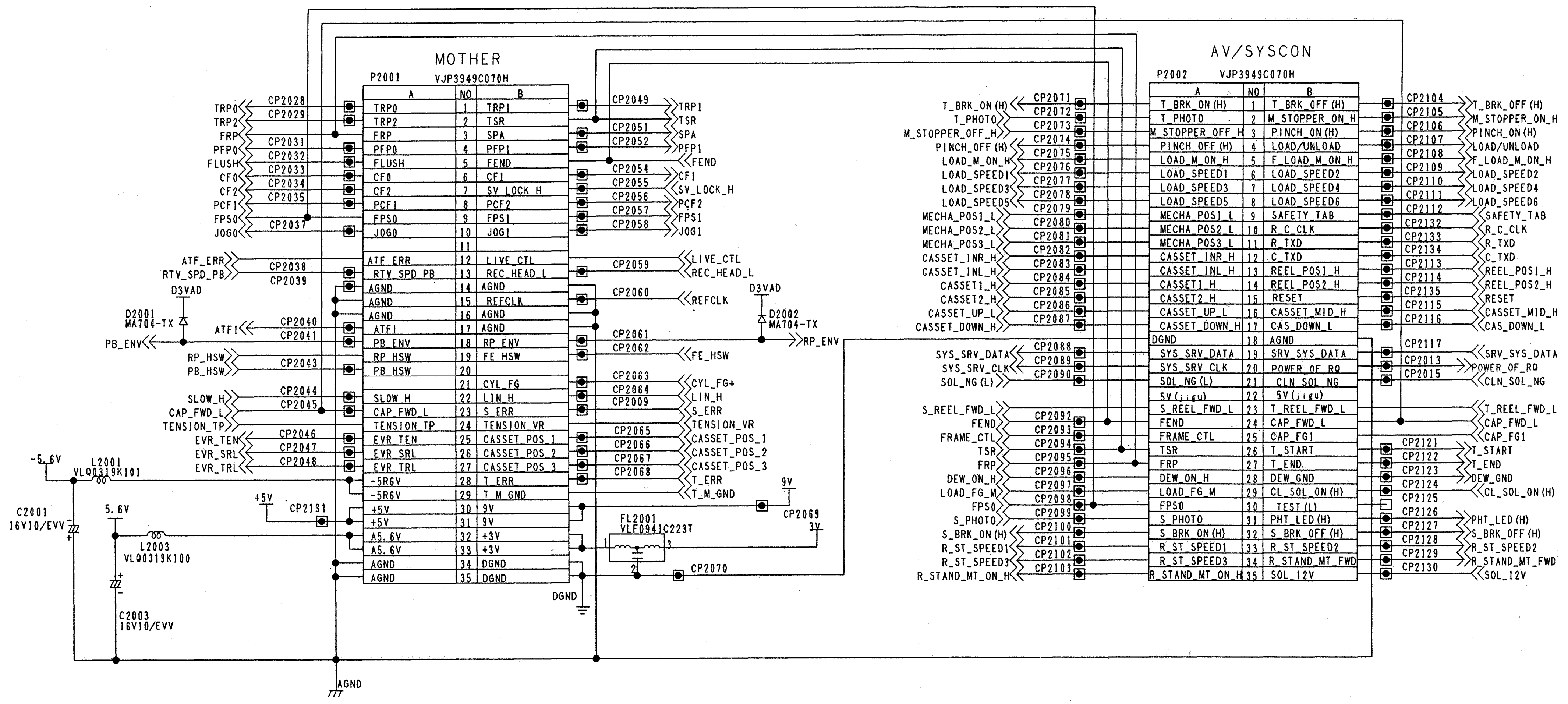
※PAT=PATTERN ONLY

Ref No. 3100 Series.

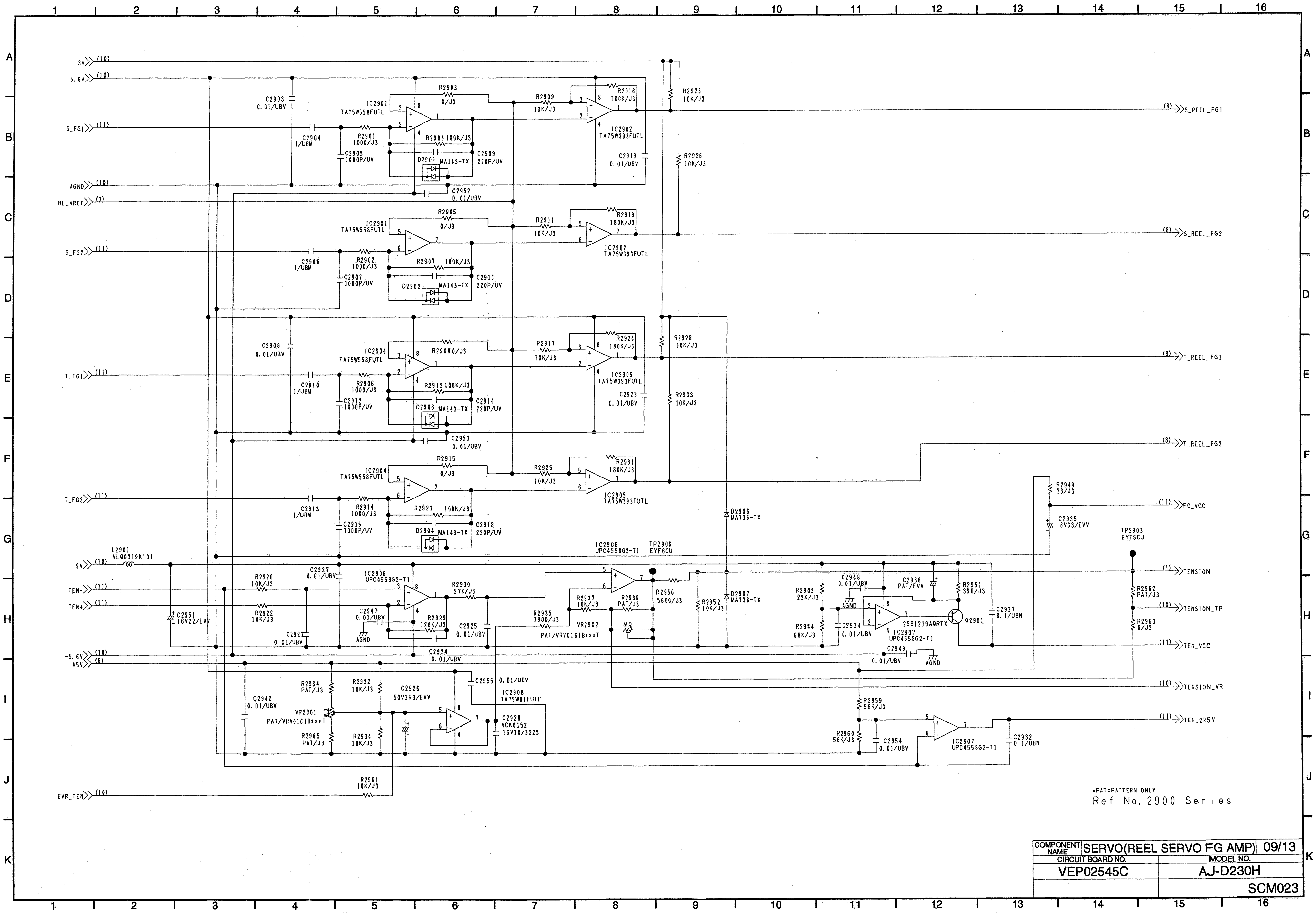
COMPONENT NAME	VIDEO I/O 1394(CONNECTOR)	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM028	


REEL STAND POS
P2012
VJP3172D005
1 +5V
2 REEL_POS1_H
3 REEL_POS2_H
4
5 DGND
+5V
REEL_POS1_H
REEL_POS2_H
MODE SW
P2022
VJP3172D004
1 MECHA_POS1_L
2 MECHA_POS2_L
3 MECHA_POS3_L
4 DGND
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
T SENSOR
P2019
VJP3172D002
1 T_PHOTO
2 DGND
T_PHOTO
LOADING MOTOR FG
P2023
PAT/VJP3172D004
1 L_FG_VCC
2 LOAD_FG_M
3
4 DGND
LOAD_FG_M
DGND
PINCH SOL
P2020
VJP3518D003
1 PINCH_P
2
3 PINCH_N
PINCH_P
PINCH_N
LOADING MOTOR
P2021
VJP3518D002
1 LOAD_MOTOR_P
2 LOAD_MOTOR_N
LOAD_MOTOR_P
LOAD_MOTOR_N
CTL
P2030
VJP3172D003
1 CTL_HEAD_P
2
3 CTL_HEAD_G
CTL_HEAD_P
CTL_HEAD_G
CARRIGE
P2026
VJP1236T
1 +5V
2 CASSET_INR_H
3 CASSET_INL_H
4 CASSET1_H
5 CASSET2_H
6 CASSET_UP_L
7 CASSET_MID_H
8 CASSET_DOWN_H
9 DGND
CASSET_INR_H
CASSET_INL_H
CASSET1_H
CASSET2_H
CASSET_UP_L
CASSET_MID_H
CASSET_DOWN_H
MIC UNIT
P2017
VJS3801D010
1
2
3 SAFETY_TAB
4 DGND
5 DGND (MIC4)
6 CASSET_POS_3 (MIC3)
7 CASSET_POS_2 (MIC2)
8 CASSET_POS_1 (MIC1)
9
10
SAFETY_TAB
CASSET_POS_3
CASSET_POS_2
CASSET_POS_1
DEW
P2011
VJP3172D002
1 DEW_ON_H
2 DEW_GND
DEW_ON_H
DEW_GND
M STOPPER SOL
P2024
VJP3518D002
1 M_STOPPER_N
2 M_STOPPER_P
M_STOPPER_N
M_STOPPER_P
TOHDAI
P2014
VJP3172D003
1 TAPE_SENSOR_ON
2
3 TAPE_SENSOR_GND
TAPE_SENSOR_ON
TAPE_SENSOR_GND
T BRK SOL
P2018
VJP3518D002
1 T_BRAKE_P
2 T_BRAKE_N
T_BRAKE_P
T_BRAKE_N
FRONT MOTOR
P2025
VJP1230T
1 F_LOAD_MOTOR_P
2
3 F_LOAD_MOTOR_N
F_LOAD_MOTOR_P
F_LOAD_MOTOR_N
REEL STAND MOTOR
P2016
VJP3518D003
1 R_STAND_MT_P
2
3 R_STAND_MT_N
R_STAND_MT_P
R_STAND_MT_N
CAS DOWN SW
P2038
VJP3172D002
1 CAS_DOWN_L
2 DGND
CAS_DOWN_L
S SENSOR
P2013
VJP3172D002
1 S_PHOTO
2 DGND
S_PHOTO
S BRK SOL
P2015
VJP3518D002
1 S_BRAKE_P
2 S_BRAKE_N
S_BRAKE_P
S_BRAKE_N
TENSION
P2032
VJP3172D004
1 TEN_VCC
2 TEN+
3 TEN_2R5V
4 TEN-
TEN_VCC
TEN+
TEN_2R5V
TEN-
T REEL
P2035
VJS3813C017
1 FG_VCC
2 T_FG1
3 AGND
4 T_FG2
5 T_VH-
6 T_H3-
7 T_VH+
8 T_H3+
9 T_M1
10 T_H2-
11 T_VH+
12 T_H2+
13 T_M3
14 T_H1-
15 T_VH+
16 T_H1+
17 T_M2
FG_VCC
T_FG1
T_FG2
T_VH-
T_H3-
T_VH+
T_H3+
T_M1
T_H2-
T_H2+
T_M3
T_H1-
T_H1+
T_M2
AGND
S REEL
P2034
VJS3813C017
1 FG_VCC
2 S_FG1
3 AGND
4 S_FG2
5 S_VH-
6 S_H3-
7 S_VH+
8 S_H3+
9 S_M1
10 S_H2-
11 S_VH+
12 S_H2+
13 S_M3
14 S_H1-
15 S_VH+
16 S_H1+
17 S_M2
FG_VCC
S_FG1
S_FG2
S_VH-
S_H3-
S_VH+
S_H3+
S_M1
S_H2-
S_H2+
S_M3
S_H1-
S_H1+
S_M2
P2003
VJP1231T
1 UNREG
2 UNREG
3 UNREG_GND
4 UNREG_GND
UNREG
CYL_GND
CAP_GND
RL_GND (UNREG_GND)
UNREG_GND
MGND
CAPSTAN
P2036
VJS3406D019
1 CAP_FG2_M
2 AGND
3 CAP_FG1_M
4 CVMR
5 CAM3
6 CAM2
7 CAH_V+
8 CAH2+
9 CAH_V-
10 CAH2-
11 CAH1-
12 CAH_V+
13 CAH1+
14 CAH_V-
15 CAH_V-
16 CAH3-
17 CAH_V+
18 CAH3+
19 CAM1
CAP_FG2_M
CAPFG_GND
CAP_FG1_M
CVMR
CAM3
CAM2
CAH_V+
CAH2+
CAH_V-
CAH2-
CAH1-
CAH1+
CAH3-
CAH3+
CAM1
CYL
P2033
VJS3406D015
1 CYLH3-
2 CYLH3+
3 CYLH2-
4 CYLH2+
5 CYLH1-
6 CYLH1+
7 CYLH_V-
8 CYLH_V+
9 CYL_FG+
10 CYL_PF_GND (CYL_FG-)
11 CYL_PG+
12 CYL_PF_GND (CYL_FG-)
13 CYL_M1
14 CYL_M2
15 CYL_M3
CYLH3-
CYLH3+
CYLH2-
CYLH2+
CYLH1-
CYLH1+
CYLH_V-
CYLH_V+
CYL_FG+
CYL_PF_GND
CYL_PG+
CYL_M1
CYL_M2
CYL_M3
J1 D217H, D230H ONLY
(2) CYL_FG+_H
BACK_UP_C
P2004
VJP1230T
1 SOL_12V
2
3 MGND
SOL_12V
CLEANING SOL
P2037
VJP3125D002
1 MGND
2 CLEANING_ON
CLEANING_ON

COMPONENT NAME	SERVO(MECH IF)	11/13
CIRCUIT BOARD NO.		MODEL NO.
VEP02545C		AJ-D230H
		SCM025


MOTHER
P2001 VJP3949C070H
A NO B
TRP0 1 TRP1
TRP2 2 TSR
FRP 3 SPA
PFP0 4 PFP1
FLUSH 5 FEND
CF0 6 CF1
CF2 7 SV_LOCK_H
PCF1 8 PCF2
FPS0 9 FPS1
JOG0 10 JOG1
11
ATF_ERR 12 LIVE_CTL
RTV_SPD_PB 13 REC_HEAD_L
AGND 14 AGND
AGND 15 REFCLK
AGND 16 AGND
ATFI 17 AGND
PB_ENV 18 RP_ENV
RP_HSW 19 FE_HSW
PB_HSW 20
21 CYL_FG
SLOW_H 22 LIN_H
CAP_FWD_L 23 S_ERR
TENSION_TP 24 TENSION_VR
EVR_TEN 25 CASSET_POS_1
EVR_SRL 26 CASSET_POS_2
EVR_TRL 27 CASSET_POS_3
-5R6V 28 T_ERR
-5R6V 29 T_M_GND
+5V 30 9V
+5V 31 9V
A5.6V 32 +3V
A5.6V 33 +3V
AGND 34 DGND
AGND 35 DGND
TRP0 CP2028
TRP2 CP2029
FRP
PFP0 CP2031
FLUSH CP2032
CF0 CP2033
CF2 CP2034
PCF1 CP2035
FPS0
JOG0 CP2037
ATF_ERR
RTV_SPD_PB CP2038
CP2039
D3VAD
D2001 MA704-TX
ATFI CP2040
PB_ENV CP2041
RP_HSW
PB_HSW CP2043
SLOW_H CP2044
CAP_FWD_L CP2045
TENSION_TP
EVR_TEN CP2046
EVR_SRL CP2047
EVR_TRL CP2048
-5.6V
L2001 VLQ0319K101
C2001 16V10/EVV
5.6V
L2003 VLQ0319K100
C2003 16V10/EVV
AGND
+5V CP2131
CP2049 TRP1
TSR
CP2051 SPA
CP2052 PFP1
FEND
CP2054 CF1
CP2055 SV_LOCK_H
CP2056 PCF2
CP2057 FPS1
CP2058 JOG1
LIVE_CTL
CP2059 REC_HEAD_L
CP2060 REFCLK
D3VAD
D2002 MA704-TX
CP2061 RP_ENV
CP2062 FE_HSW
CP2063 CYL_FG+
CP2064 LIN_H
CP2009 S_ERR
TENSION_VR
CP2065 CASSET_POS_1
CP2066 CASSET_POS_2
CP2067 CASSET_POS_3
CP2068 T_ERR
T_M_GND
9V CP2069
FL2001 VLF0941C223T
1 2 3
3V
CP2070
DGND
AV/SYSCON
P2002 VJP3949C070H
A NO B
T_BRK_ON(H) 1 T_BRK_OFF(H)
T_PHOTO 2 M_STOPPER_ON_H
M_STOPPER_OFF_H 3 PINCH_ON(H)
PINCH_OFF(H) 4 LOAD/UNLOAD
LOAD_M_ON_H 5 F_LOAD_M_ON_H
LOAD_SPEED1 6 LOAD_SPEED2
LOAD_SPEED3 7 LOAD_SPEED4
LOAD_SPEED5 8 LOAD_SPEED6
MECHA_POS1_L 9 SAFETY_TAB
MECHA_POS2_L 10 R_C_CLK
MECHA_POS3_L 11 R_TXD
CASSET_INR_H 12 C_TXD
CASSET_INL_H 13 REEL_POS1_H
CASSET1_H 14 REEL_POS2_H
CASSET2_H 15 RESET
CASSET_UP_L 16 CASSET_MID_H
CASSET_DOWN_H 17 CAS_DOWN_L
DGND 18 AGND
SYS_SRV_DATA 19 SRV_SYS_DATA
SYS_SRV_CLK 20 POWER_OF_RQ
SOL_NG(L) 21 CLN_SOL_NG
5V(jigu) 22 5V(jigu)
S_REEL_FWD_L 23 T_REEL_FWD_L
FEND 24 CAP_FWD_L
FRAME_CTL 25 CAP_FG1
TSR 26 T_START
FRP 27 T_END
DEW_ON_H 28 DEW_GND
LOAD_FG_M 29 CL_SOL_ON(H)
FPS0 30 TEST(L)
S_PHOTO 31 PHT_LED(H)
S_BRK_ON(H) 32 S_BRK_OFF(H)
R_ST_SPEED1 33 R_ST_SPEED2
R_ST_SPEED3 34 R_STAND_MT_FWD
R_STAND_MT_ON_H 35 SOL_12V
T_BRK_ON(H) CP2071
T_PHOTO CP2072
M_STOPPER_OFF_H CP2073
PINCH_OFF(H) CP2074
LOAD_M_ON_H CP2075
LOAD_SPEED1 CP2076
LOAD_SPEED3 CP2077
LOAD_SPEED5 CP2078
MECHA_POS1_L CP2079
MECHA_POS2_L CP2080
MECHA_POS3_L CP2081
CASSET_INR_H CP2082
CASSET_INL_H CP2083
CASSET1_H CP2084
CASSET2_H CP2085
CASSET_UP_L CP2086
CASSET_DOWN_H CP2087
SYS_SRV_DATA CP2088
SYS_SRV_CLK CP2089
SOL_NG(L) CP2090
S_REEL_FWD_L
FEND CP2092
FRAME_CTL CP2093
TSR CP2094
FRP CP2095
DEW_ON_H CP2096
LOAD_FG_M CP2097
FPS0 CP2098
S_PHOTO CP2099
S_BRK_ON(H) CP2100
R_ST_SPEED1 CP2101
R_ST_SPEED3 CP2102
R_STAND_MT_ON_H CP2103
CP2104 T_BRK_OFF(H)
CP2105 M_STOPPER_ON_H
CP2106 PINCH_ON(H)
CP2107 LOAD/UNLOAD
CP2108 F_LOAD_M_ON_H
CP2109 LOAD_SPEED2
CP2110 LOAD_SPEED4
CP2111 LOAD_SPEED6
CP2112 SAFETY_TAB
CP2132 R_C_CLK
CP2133 R_TXD
CP2134 C_TXD
CP2113 REEL_POS1_H
CP2114 REEL_POS2_H
CP2135 RESET
CP2115 CASSET_MID_H
CP2116 CAS_DOWN_L
CP2117 SRV_SYS_DATA
CP2013 POWER_OF_RQ
CP2015 CLN_SOL_NG
T_REEL_FWD_L
CAP_FWD_L
CAP_FG1
CP2121 T_START
CP2122 T_END
CP2123 DEW_GND
CP2124 CL_SOL_ON(H)
CP2125
CP2126 PHT_LED(H)
CP2127 S_BRK_OFF(H)
CP2128 R_ST_SPEED2
CP2129 R_STAND_MT_FWD
CP2130 SOL_12V

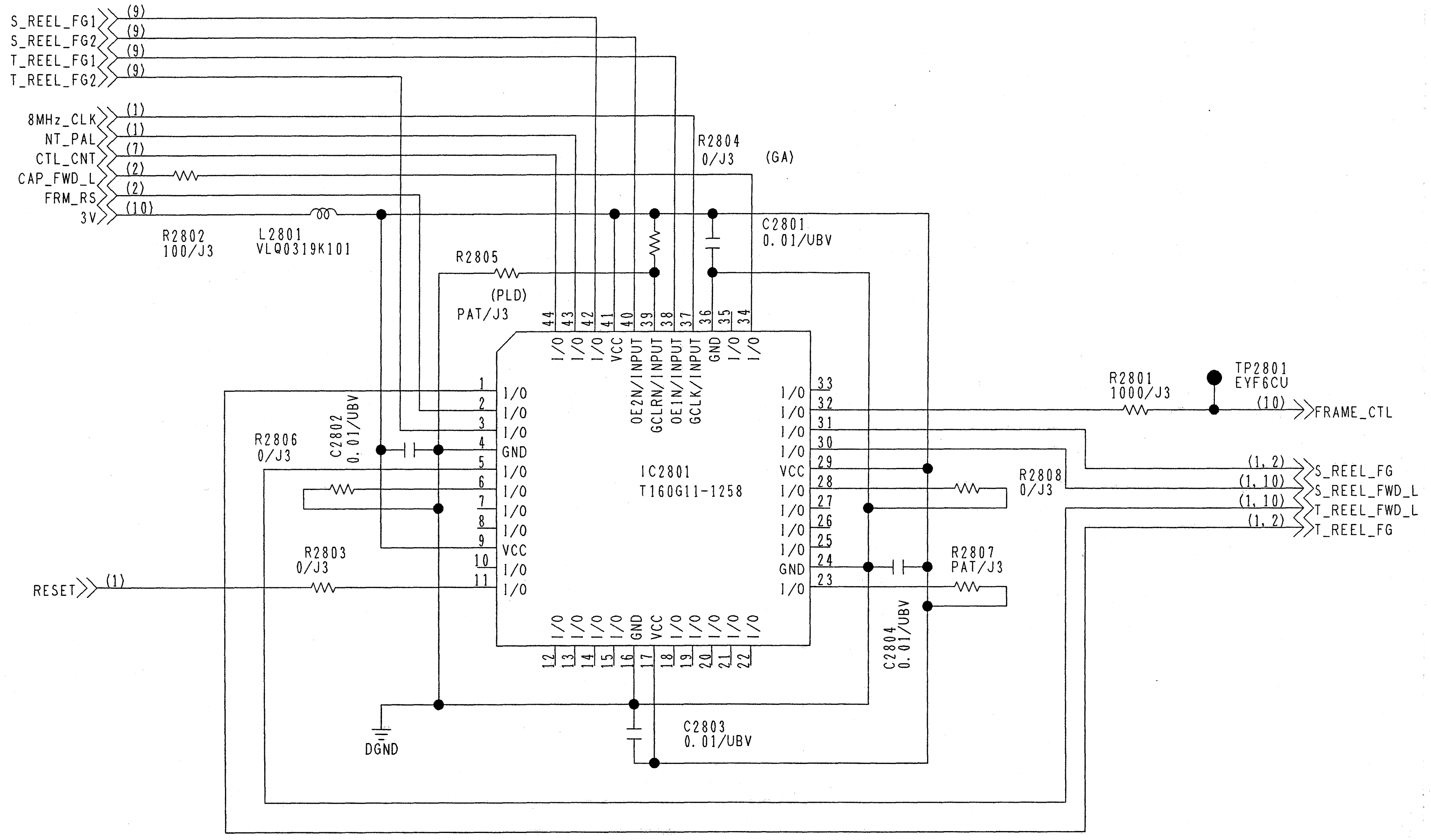
COMPONENT NAME	SERVO(SERVO CONNECTOR)	10/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM024	


3V>>(10)
5.6V>>(10)
S_FG1>>(11)
AGND>>(10)
RL_VREF>>(3)
S_FG2>>(11)
T_FG1>>(11)
T_FG2>>(11)
9V>>(10)
TEN->>(11)
TEN+>>(11)
-5.6V>>(10)
A5V>>(6)
EVR_TEN>>(10)
C2903 0.01/UBV
C2904 1/UBM
R2901 1000/J3
C2905 1000P/UV
IC2901 TA75W558FUTL
R2903 0/J3
R2904 100K/J3
D2901 MA143-TX
C2909 220P/UV
R2909 10K/J3
R2916 180K/J3
IC2902 TA75W393FUTL
C2919 0.01/UBV
R2923 10K/J3
R2926 10K/J3
C2952 0.01/UBV
R2905 0/J3
R2911 10K/J3
R2919 180K/J3
C2906 1/UBM
R2902 1000/J3
C2907 1000P/UV
R2907 100K/J3
C2911 220P/UV
D2902 MA143-TX
C2908 0.01/UBV
IC2904 TA75W558FUTL
R2908 0/J3
R2917 10K/J3
R2924 180K/J3
IC2905 TA75W393FUTL
C2923 0.01/UBV
R2928 10K/J3
R2933 10K/J3
C2910 1/UBM
R2906 1000/J3
C2912 1000P/UV
R2912 100K/J3
C2914 220P/UV
D2903 MA143-TX
C2953 0.01/UBV
R2915 0/J3
R2925 10K/J3
R2931 180K/J3
C2913 1/UBM
R2914 1000/J3
C2915 1000P/UV
R2921 100K/J3
C2918 220P/UV
D2904 MA143-TX
D2906 MA736-TX
R2949 33/J3
C2935 6V33/EVV
TP2903 EYF6CU
L2901 VLQ0319K101
IC2906 UPC4558G2-T1
TP2906 EYF6CU
C2927 0.01/UBV
R2920 10K/J3
R2922 10K/J3
C2951 16V22/EVV
C2921 0.01/UBV
C2947 0.01/UBV
AGND
R2930 27K/J3
R2929 120K/J3
C2925 0.01/UBV
C2924 0.01/UBV
R2935 3900/J3
VR2902 PAT/VRV0161B***T
R2937 10K/J3
R2936 PAT/J3
R2950 5600/J3
R2952 10K/J3
D2907 MA736-TX
R2942 22K/J3
R2944 68K/J3
C2948 0.01/UBV
C2934 0.01/UBV
C2936 PAT/EVV
IC2907 UPC4558G2-T1
2SB1219AQRTX
Q2901
R2951 390/J3
C2937 0.1/UBN
C2949 0.01/UBV
R2962 PAT/J3
R2963 0/J3
C2955 0.01/UBV
IC2908 TA75W01FUTL
C2942 0.01/UBV
R2964 PAT/J3
VR2901 PAT/VRV0161B***T
R2965 PAT/J3
R2932 10K/J3
R2934 10K/J3
C2926 50V3R3/EVV
C2928 VCK0152 16V10/3225
R2959 56K/J3
R2960 56K/J3
C2954 0.01/UBV
C2932 0.1/UBN
R2961 10K/J3
(8)>>S_REEL_FG1
(8)>>S_REEL_FG2
(8)>>T_REEL_FG1
(8)>>T_REEL_FG2
(11)>>FG_VCC
(1)>>TENSION
(10)>>TENSION_TP
(11)>>TEN_VCC
(10)>>TENSION_VR
(11)>>TEN_2R5V

*PAT=PATTERN ONLY

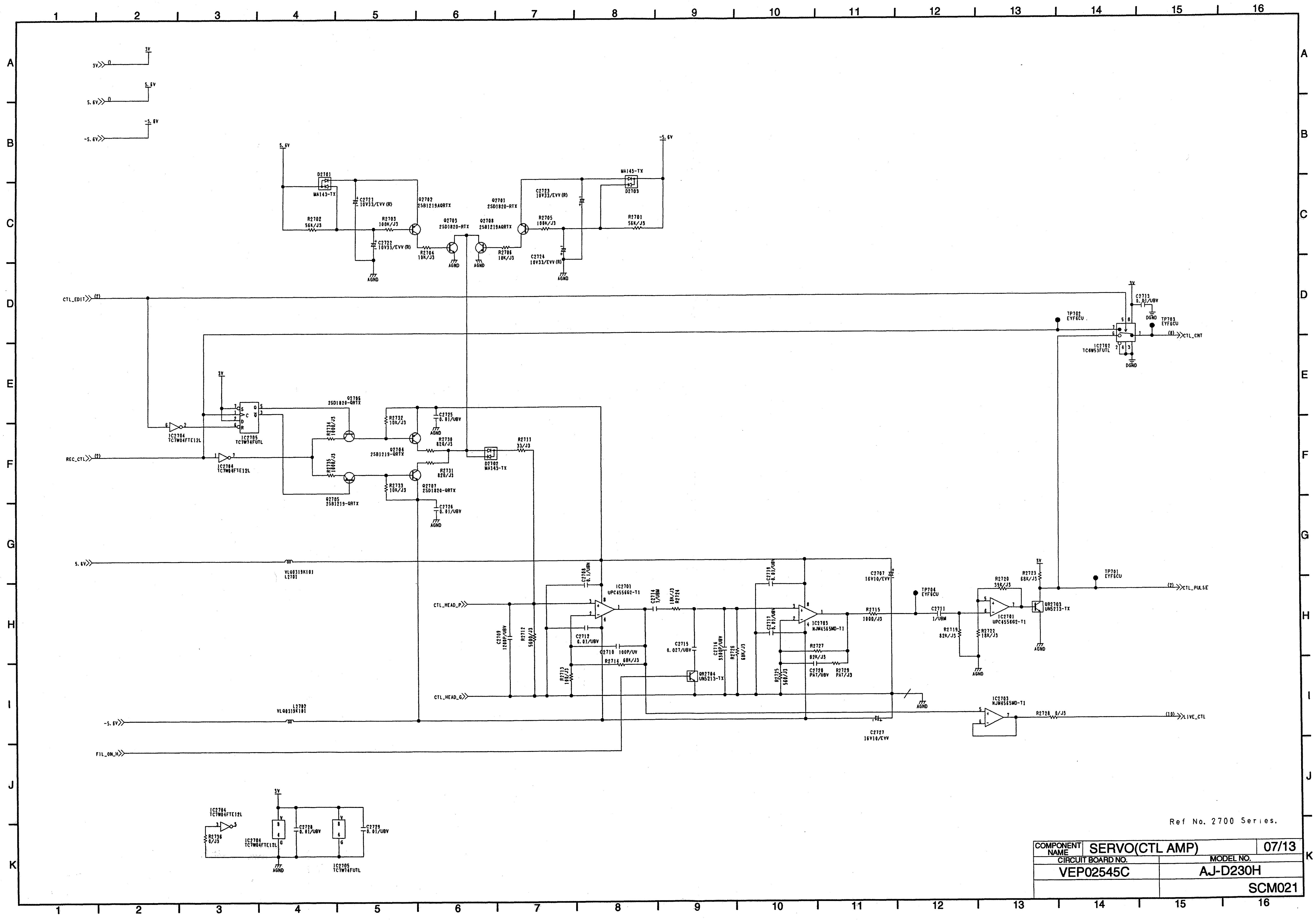
Ref No. 2900 Series

COMPONENT NAME	SERVO(REEL SERVO FG AMP)	09/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM023	


S_REEL_FG1 (9)
S_REEL_FG2 (9)
T_REEL_FG1 (9)
T_REEL_FG2 (9)
8MHz_CLK (1)
NT_PAL (1)
CTL_CNT (7)
CAP_FWD_L (2)
FRM_RS (2)
3V (10)
R2802 100/J3
L2801 VLQ0319K101
R2804 0/J3
(GA)
C2801 0.01/UBV
R2805
(PLD)
PAT/J3
IC2801
T160G11-1258
OE2N/INPUT
GCLRN/INPUT
OE1N/INPUT
GCLK/INPUT
I/O
VCC
GND
C2802 0.01/UBV
R2806 0/J3
R2803 0/J3
RESET (1)
R2801 1000/J3
TP2801 EYF6CU
(10) FRAME_CTL
(1, 2) S_REEL_FG
(1, 10) S_REEL_FWD_L
(1, 10) T_REEL_FWD_L
(1, 2) T_REEL_FG
R2808 0/J3
R2807 PAT/J3
C2804 0.01/UBV
C2803 0.01/UBV
DGND

Ref No. 2800 Series.

COMPONENT NAME	SERVO(FRAME CTL)	08/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
		SCM022


3V
3V
5.6V
5.6V
-5.6V
-5.6V
5.6V
-5.6V
D2701
MA143-TX
C2721
10V33/EVV (R)
Q2702
2SB1219AQRTX
R2702
56K/J3
R2703
100K/J3
C2722
10V33/EVV (R)
R2704
10K/J3
Q2703
2SD1820-RTX
Q2708
2SB1219AQRTX
R2706
10K/J3
Q2701
2SD1820-RTX
R2705
100K/J3
C2723
10V33/EVV (R)
C2724
10V33/EVV (R)
MA143-TX
D2703
R2701
56K/J3
AGND
CTL_EDIT
(2)
REC_CTL
(2)
IC2704
TC7W04FTE12L
IC2705
TC7W74FUTL
Q2706
2SD1820-QRTX
R2734
1000/J3
R2735
1000/J3
Q2705
2SB1219-QRTX
R2732
10K/J3
R2733
10K/J3
Q2704
2SB1219-QRTX
Q2707
2SD1820-QRTX
C2725
0.01/UBV
C2726
0.01/UBV
R2730
820/J3
R2731
820/J3
D2702
MA143-TX
R2711
33/J3
TP702
EYF6CU
TP703
EYF6CU
C2713
0.01/UBV
DGND
IC2702
TC4W53FUTL
(8)
CTL_CNT
VLQ0319K101
L2701
CTL_HEAD_P
CTL_HEAD_G
C2709
1200P/UBV
R2712
5600/J3
C2708
0.1/UBN
IC2701
UPC4556G2-T1
C2712
0.01/UBV
C2710
100P/UV
R2714
68K/J3
R2713
100/J3
C2714
1/UBM
18K/J3
R2724
C2715
0.027/UBV
QR2704
UN5213-TX
C2716
3300P/UBV
R2726
68K/J3
C2719
0.01/UBV
C2717
0.01/UBV
IC2703
NJM4565MD-T1
R2727
82K/J3
C2720
PAT/UBV
R2729
PAT/J3
R2725
560/J3
C2707
16V10/EVV
C2727
16V10/EVV
R2715
1000/J3
TP704
EYF6CU
C2711
1/UBM
R2719
82K/J3
R2722
18K/J3
R2720
39K/J3
IC2701
UPC4556G2-T1
R2723
68K/J3
QR2703
UN5213-TX
TP701
EYF6CU
(2)
CTL_PULSE
IC2703
NJM4565MD-T1
R2728
0/J3
(10)
LIVE_CTL
L2702
VLQ0319K101
FIL_ON_H
IC2704
TC7W04FTE12L
R2736
0/J3
C2728
0.01/UBV
C2729
0.01/UBV
IC2705
TC7W74FUTL
1
2
3
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16
A
B
C
D
E
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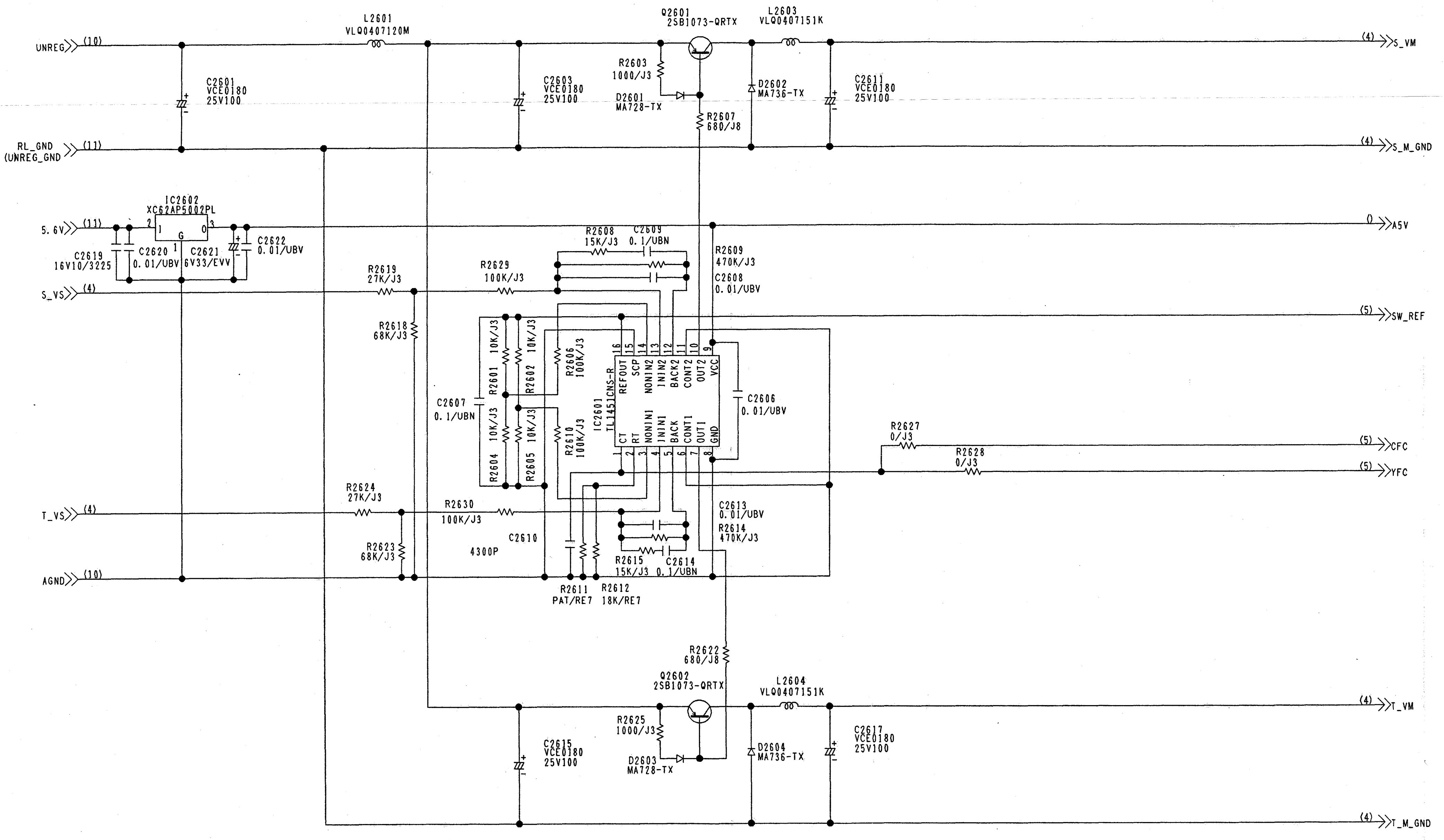
I
J
K

Ref No. 2700 Series.

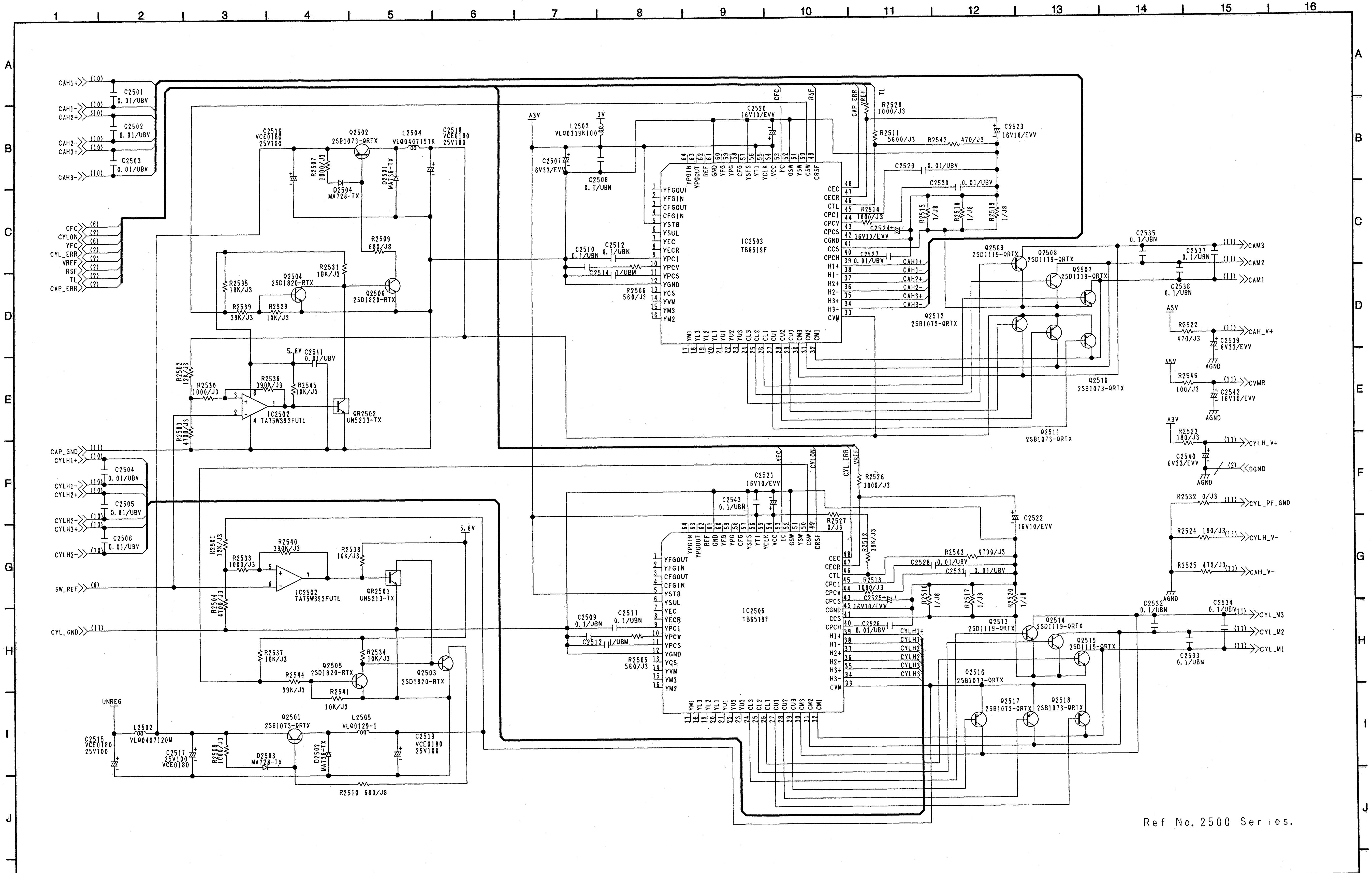
COMPONENT NAME	SERVO(CTL AMP)	07/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM021	


UNREG (10)
RL_GND (UNREG_GND) (11)
5.6V (11)
S_VS (4)
T_VS (4)
AGND (10)
L2601 VLQ0407120M
C2601 VCE0180 25V100
C2603 VCE0180 25V100
Q2601 2SB1073-QRTX
R2603 1000/J3
D2601 MA728-TX
R2607 680/J8
L2603 VLQ0407151K
D2602 MA736-TX
C2611 VCE0180 25V100
(4) S_VM
(4) S_M_GND
IC2602 XC62AP5002PL
1 G 0
C2619 16V10/3225
C2620 0.01/UBV
C2621 6V33/EVV
C2622 0.01/UBV
(0) A5V
R2608 15K/J3
C2609 0.1/UBN
R2629 100K/J3
R2609 470K/J3
C2608 0.01/UBV
R2619 27K/J3
R2618 68K/J3
(5) SW_REF
R2601 10K/J3
R2602 10K/J3
R2606 100K/J3
R2604 10K/J3
R2605 10K/J3
R2610 100K/J3
C2607 0.1/UBN
IC2601 TL1451CNS-R
REFOUT SCP NONIN2 ININ2 BACK2 CONT2 OUT2 VCC
CT RT NONIN1 ININ1 BACK CONT1 OUT1 GND
C2606 0.01/UBV
R2627 0/J3
R2628 0/J3
(5) CFC
(5) YFC
R2624 27K/J3
R2630 100K/J3
R2623 68K/J3
C2610 4300P
C2613 0.01/UBV
R2614 470K/J3
R2615 15K/J3
C2614 0.1/UBN
R2611 PAT/RE7
R2612 18K/RE7
R2622 680/J8
Q2602 2SB1073-QRTX
L2604 VLQ0407151K
R2625 1000/J3
C2615 VCE0180 25V100
D2603 MA728-TX
D2604 MA736-TX
C2617 VCE0180 25V100
(4) T_VM
(4) T_M_GND

*PAT=PATTERN ONLY

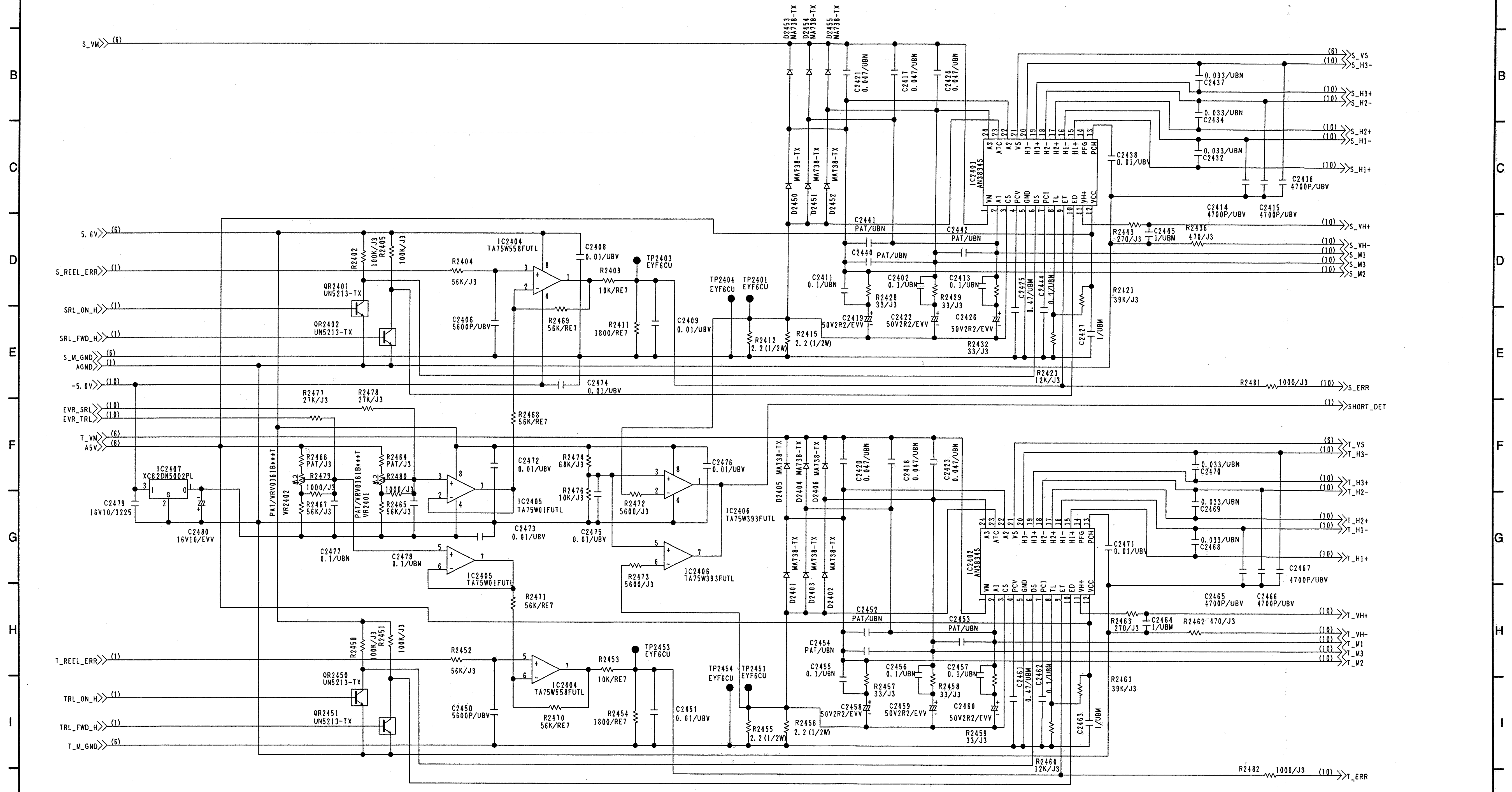
Ref No. 2500 Series.

COMPONENT NAME	SERVO(REEL SERVO SW POWER)	06/13
CIRCUIT BOARD NO.		MODEL NO.
VEP02545C		AJ-D230H
		SCM020


CAH1+
CAH1-
CAH2+
CAH2-
CAH3+
CAH3-
C2501 0.01/UBV
C2502 0.01/UBV
C2503 0.01/UBV
CFC
CYLON
YFC
CYL_ERR
VREF
RSF
TL
CAP_ERR
C2516 VCE0180 25V100
Q2502 2SB1073-QRTX
L2504 VLQ0407151K
C2518 VCE0180 25V100
R2507 1000/J3
D2504 MA728-TX
D2501 MA136-TX
R2509 680/J8
R2531 10K/J3
Q2504 2SD1820-RTX
Q2506 2SD1820-RTX
R2535 10K/J3
R2539 39K/J3
R2529 10K/J3
5.6V
C2541 0.01/UBV
R2502 12K/J3
R2530 1000/J3
R2536 390K/J3
R2545 10K/J3
IC2502 TA75W393FUTL
QR2502 UN5213-TX
R2503 4700/J3
A3V
L2503 VLQ0319K100
3V
C2507 6V33/EVV
C2508 0.1/UBN
C2520 16V10/EVV
R2528 1000/J3
R2511 5600/J3
R2542 470/J3
C2523 16V10/EVV
C2529 0.01/UBV
C2530 0.01/UBV
R2514 1000/J3
C2524 16V10/EVV
R2515 1/J8
R2518 1/J8
R2519 1/J8
C2510 0.1/UBN
C2512 0.1/UBN
C2514 1/UBM
R2506 560/J3
IC2503 TB6519F
C2527 0.01/UBV
YFGOUT
YFGIN
CFGOUT
CFGIN
YSTB
YSUL
YEC
YECR
YPC1
YPCV
YPCS
YGND
YCS
YVM
YM3
YM2
CEC
CECR
CTL
CPC1
CPCV
CPCS
CGND
CCS
CPCH
H1+
H1-
H2+
H2-
H3+
H3-
CVM
YPGIN
YPGOUT
REF
GND
YFG
YPG
CFG
YSFS
YT1
YCLK
VCC
FC
GSW
YSW
CSW
CRSF
YM1
YL3
YL2
YL1
YU1
YU2
YU3
CL3
CL2
CL1
CU1
CU2
CU3
CM3
CM2
CM1
Q2509 2SD1119-QRTX
Q2508 2SD1119-QRTX
Q2507 2SD1119-QRTX
Q2512 2SB1073-QRTX
Q2510 2SB1073-QRTX
Q2511 2SB1073-QRTX
C2535 0.1/UBN
C2537 0.1/UBN
C2536 0.1/UBN
CAM3
CAM2
CAM1
R2522 470/J3
C2539 6V33/EVV
CAH_V+
AGND
A5V
R2546 100/J3
C2542 16V10/EVV
CVMR
R2523 180/J3
CYLH_V+
C2540 6V33/EVV
DGND
CAP_GND
CYLH1+
CYLH1-
CYLH2+
CYLH2-
CYLH3+
CYLH3-
C2504 0.01/UBV
C2505 0.01/UBV
C2506 0.01/UBV
R2501 12K/J3
R2533 1000/J3
R2540 390K/J3
R2538 10K/J3
IC2502 TA75W393FUTL
QR2501 UN5213-TX
R2504 4700/J3
SW_REF
CYL_GND
R2537 10K/J3
R2534 10K/J3
Q2505 2SD1820-RTX
Q2503 2SD1820-RTX
R2544 39K/J3
R2541 10K/J3
UNREG
L2502 VLQ0407120M
C2515 VCE0180 25V100
C2517 25V100 VCE0180
R2508 1000/J3
Q2501 2SB1073-QRTX
D2503 MA728-TX
D2502 MA136-TX
L2505 VLQ0129-1
C2519 VCE0180 25V100
R2510 680/J8
YEC
CYLON
CYL_ERR
VREF
C2521 16V10/EVV
R2526 1000/J3
C2543 0.1/UBN
R2527 0/J3
C2522 16V10/EVV
R2512 39K/J3
R2543 4700/J3
C2528 0.01/UBV
C2531 0.01/UBV
R2513 1000/J3
C2525 16V10/EVV
C2526 0.01/UBV
R2516 1/J8
R2517 1/J8
R2520 1/J8
IC2506 TB6519F
C2509 0.1/UBN
C2511 0.1/UBN
C2513 1/UBM
R2505 560/J3
Q2513 2SD1119-QRTX
Q2514 2SD1119-QRTX
Q2515 2SD1119-QRTX
Q2516 2SB1073-QRTX
Q2517 2SB1073-QRTX
Q2518 2SB1073-QRTX
R2532 0/J3
CYL_PF_GND
R2524 180/J3
CYLH_V-
R2525 470/J3
CAH_V-
C2532 0.1/UBN
C2534 0.1/UBN
C2533 0.1/UBN
CYL_M3
CYL_M2
CYL_M1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

Ref No. 2500 Series.

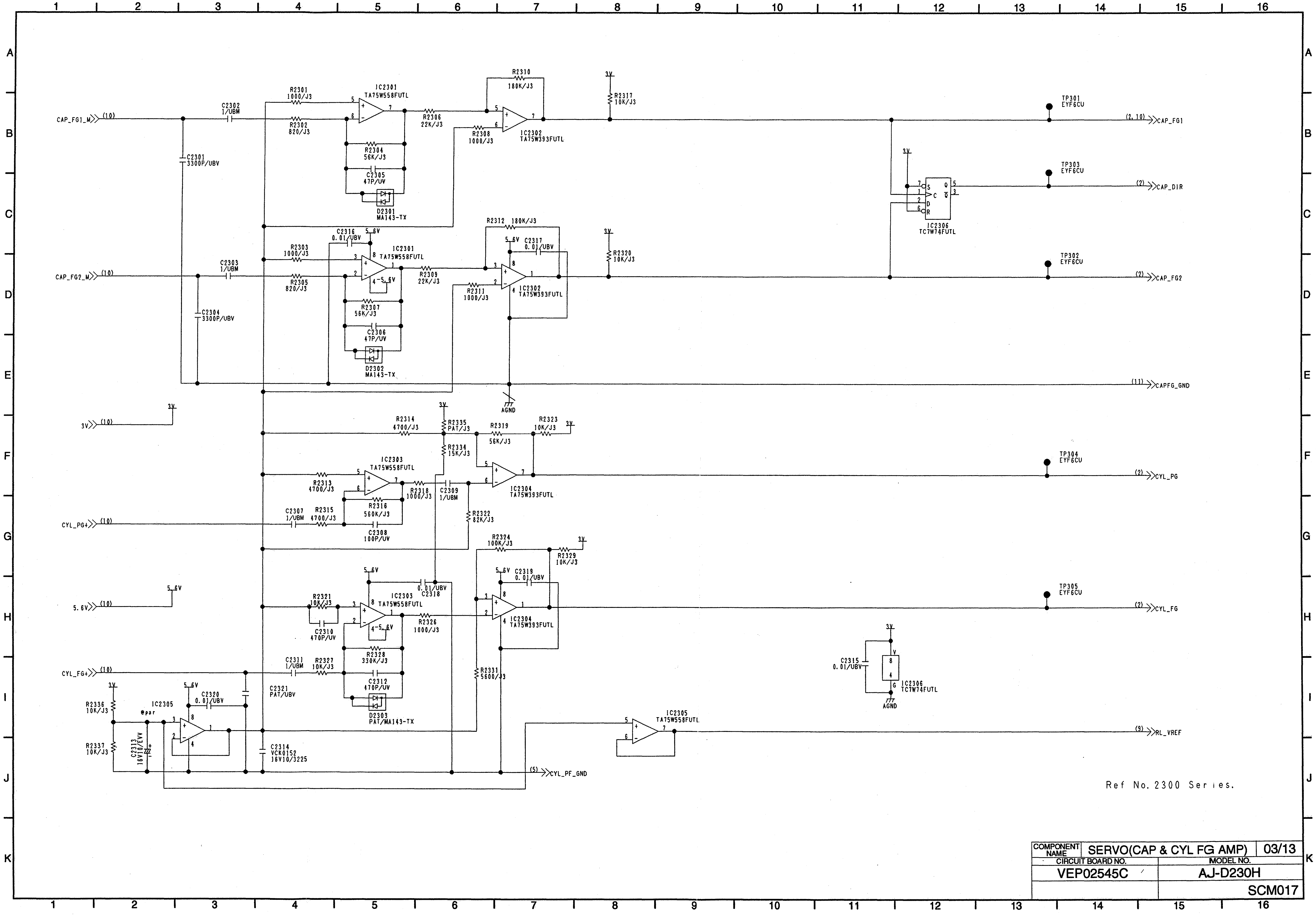
COMPONENT NAME	SERVO(CAP & CYL DRIVE)	05/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM019	


S_VM (6)
5.6V (6)
S_REEL_ERR (1)
SRL_ON_H (1)
SRL_FWD_H (1)
S_M_GND (6)
AGND (1)
-5.6V (10)
EVR_SRL (10)
EVR_TRL (10)
T_VM (6)
A5V (6)
T_REEL_ERR (1)
TRL_ON_H (1)
TRL_FWD_H (1)
T_M_GND (6)
QR2401 UN5213-TX
QR2402 UN5213-TX
QR2450 UN5213-TX
QR2451 UN5213-TX
IC2404 TA75W558FUTL
IC2405 TA75W01FUTL
IC2406 TA75W393FUTL
IC2407 XC62DN5002PL
IC2401 AN3834S
IC2402 AN3834S
TP2401 EYF6CU
TP2403 EYF6CU
TP2404 EYF6CU
TP2451 EYF6CU
TP2453 EYF6CU
TP2454 EYF6CU
D2450 D2451 D2452 D2453 D2454 D2455 MA738-TX
D2401 D2402 D2403 D2404 D2405 D2406 MA738-TX
VR2401 PAT/VRV0161B**T
VR2402 PAT/VRV0161B**T
(6) S_VS
(10) S_H3-
(10) S_H3+
(10) S_H2-
(10) S_H2+
(10) S_H1-
(10) S_H1+
(10) S_VH+
(10) S_VH-
(10) S_M1
(10) S_M3
(10) S_M2
R2481 1000/J3 (10) S_ERR
(1) SHORT_DET
(6) T_VS
(10) T_H3-
(10) T_H3+
(10) T_H2-
(10) T_H2+
(10) T_H1-
(10) T_H1+
(10) T_VH+
(10) T_VH-
(10) T_M1
(10) T_M3
(10) T_M2
R2482 1000/J3 (10) T_ERR

*PAT=PATTERN ONLY

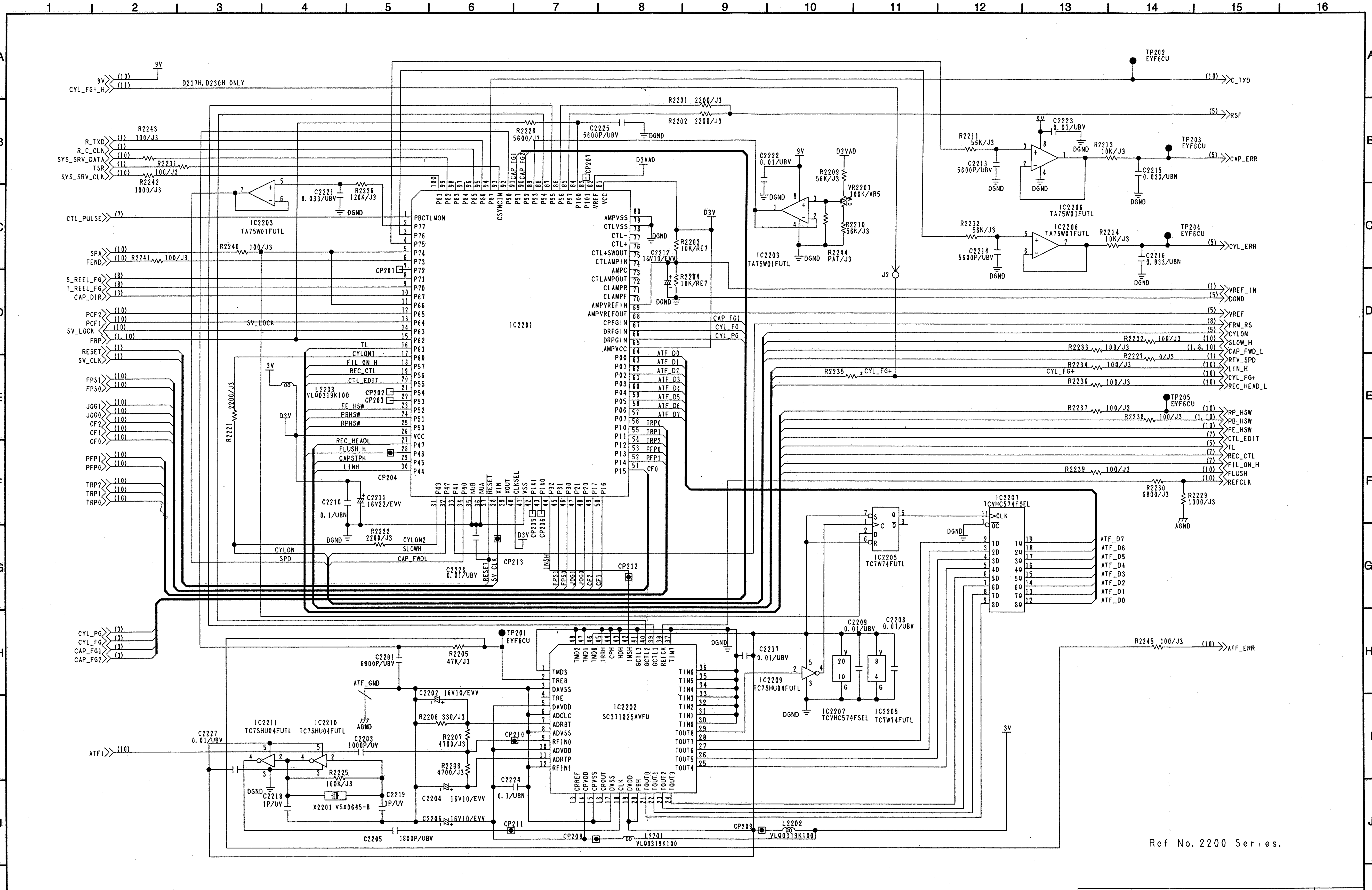
Ref No. 2400 Series.

COMPONENT NAME	SERVO(REEL SERVO DRIVE)	04/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM018	

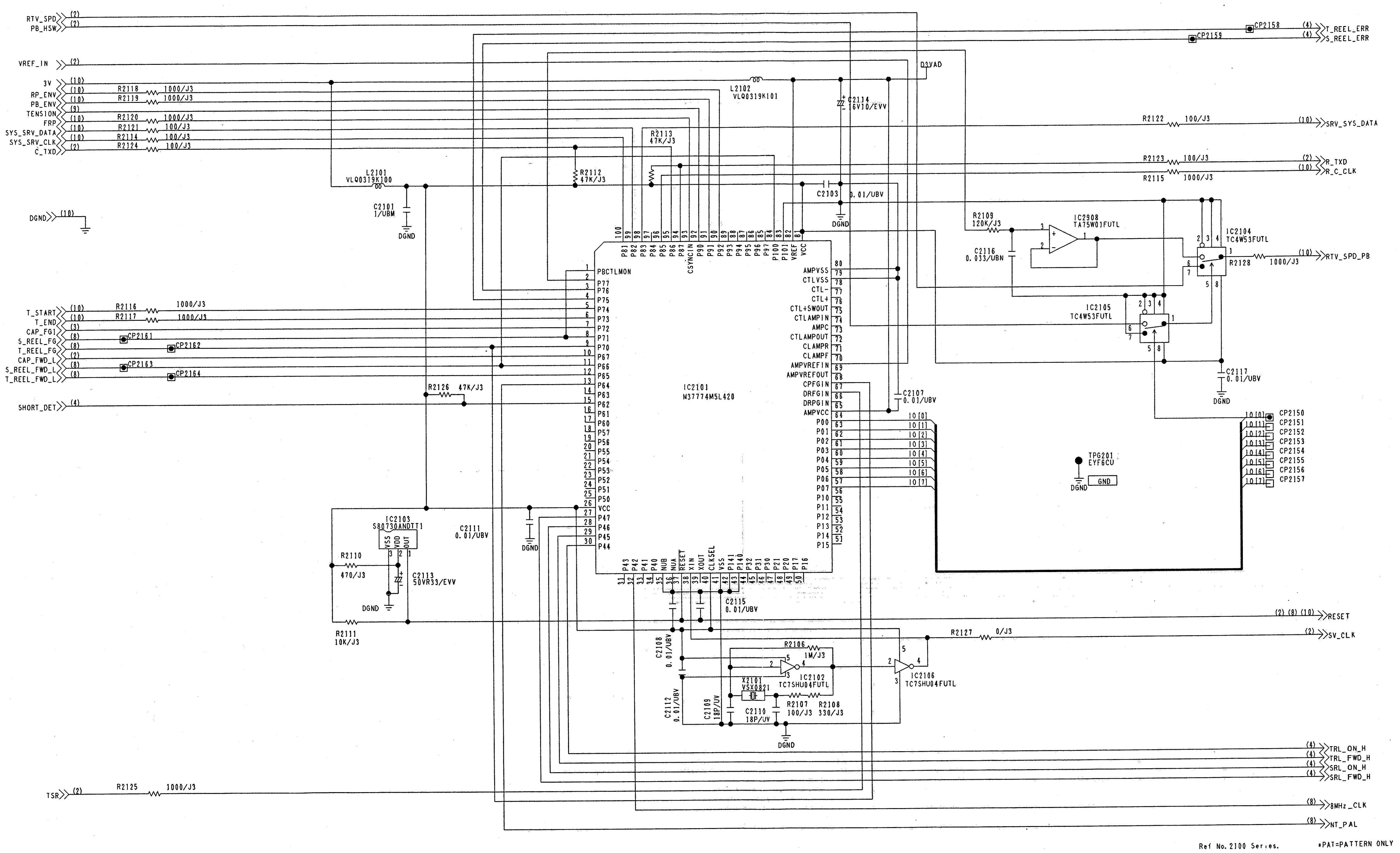

CAP_FG1_M
CAP_FG2_M
3V
5.6V
CYL_PG+
CYL_FG+
IC2301 TA75W558FUTL
IC2302 TA75W393FUTL
IC2303 TA75W558FUTL
IC2304 TA75W393FUTL
IC2305 TA75W558FUTL
IC2306 TC7W74FUTL
R2301 1000/J3
R2302 820/J3
R2303 1000/J3
R2304 56K/J3
R2305 820/J3
R2306 22K/J3
R2307 56K/J3
R2308 1000/J3
R2309 22K/J3
R2310 180K/J3
R2311 1000/J3
R2312 180K/J3
R2313 4700/J3
R2314 4700/J3
R2315 4700/J3
R2316 560K/J3
R2317 10K/J3
R2318 1000/J3
R2319 56K/J3
R2320 10K/J3
R2321 10K/J3
R2322 82K/J3
R2323 10K/J3
R2324 100K/J3
R2326 1000/J3
R2327 10K/J3
R2328 330K/J3
R2329 10K/J3
R2331 5600/J3
R2334 15K/J3
R2335 PAT/J3
R2336 10K/J3
R2337 10K/J3
C2301 3300P/UBV
C2302 1/UBM
C2303 1/UBM
C2304 3300P/UBV
C2305 47P/UV
C2306 47P/UV
C2307 1/UBM
C2308 100P/UV
C2309 1/UBM
C2310 470P/UV
C2311 1/UBM
C2312 470P/UV
C2313 16V10/EVV
C2314 VCK0152 16V10/3225
C2315 0.01/UBV
C2316 0.01/UBV
C2317 0.01/UBV
C2318 0.01/UBV
C2319 0.01/UBV
C2320 0.01/UBV
C2321 PAT/UBV
D2301 MA143-TX
D2302 MA143-TX
D2303 PAT/MA143-TX
TP301 EYF6CU
TP302 EYF6CU
TP303 EYF6CU
TP304 EYF6CU
TP305 EYF6CU
AGND
(2,10) CAP_FG1
(2) CAP_DIR
(2) CAP_FG2
(11) CAPFG_GND
(2) CYL_PG
(2) CYL_FG
(9) RL_VREF
(5) CYL_PF_GND

Ref No. 2300 Series.

COMPONENT NAME	SERVO(CAP & CYL FG AMP)	03/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM017	


IC2201
IC2202
SC371025AVFU
IC2203
TA75W01FUTL
IC2205
TC7W74FUTL
IC2206
TA75W01FUTL
IC2207
TCVHC574FSEL
IC2209
TC7SHU04FUTL
IC2210
TC7SHU04FUTL
IC2211
TC7SHU04FUTL
X2201 VSX0645-B
VR2201
100K/VR5
L2201
VLQ0319K100
L2202
VLQ0319K100
L2203
VLQ0319K100
TP201
TP202
TP203
TP204
TP205
EYF6CU
D217H, D230H ONLY
9V
CYL_FG+_H
R_TXD
R_C_CLK
SYS_SRV_DATA
TSR
SYS_SRV_CLK
CTL_PULSE
SPA
FEND
S_REEL_FG
T_REEL_FG
CAP_DIR
PCF2
PCF1
SV_LOCK
FRP
RESET
SV_CLK
FPS1
FPS0
JOG1
JOG0
CF2
CF1
CF0
PFP1
PFP0
TRP2
TRP1
TRP0
CYL_PG
CYL_FG
CAP_FG1
CAP_FG2
ATFI
C_TXD
RSF
CAP_ERR
CYL_ERR
VREF_IN
DGND
VREF
FRM_RS
CYLON
SLOW_H
CAP_FWD_L
RTV_SPD
LIN_H
CYL_FG+
REC_HEAD_L
RP_HSW
PB_HSW
FE_HSW
CTL_EDIT
TL
REC_CTL
FIL_ON_H
FLUSH
REFCLK
ATF_ERR
ATF_D0
ATF_D1
ATF_D2
ATF_D3
ATF_D4
ATF_D5
ATF_D6
ATF_D7
D3VAD
D3V
3V
AGND
ATF_GND
J2
CP201
CP202
CP203
CP204
CP205
CP206
CP207
CP208
CP209
CP210
CP211
CP212
CP213
Ref No. 2200 Series.

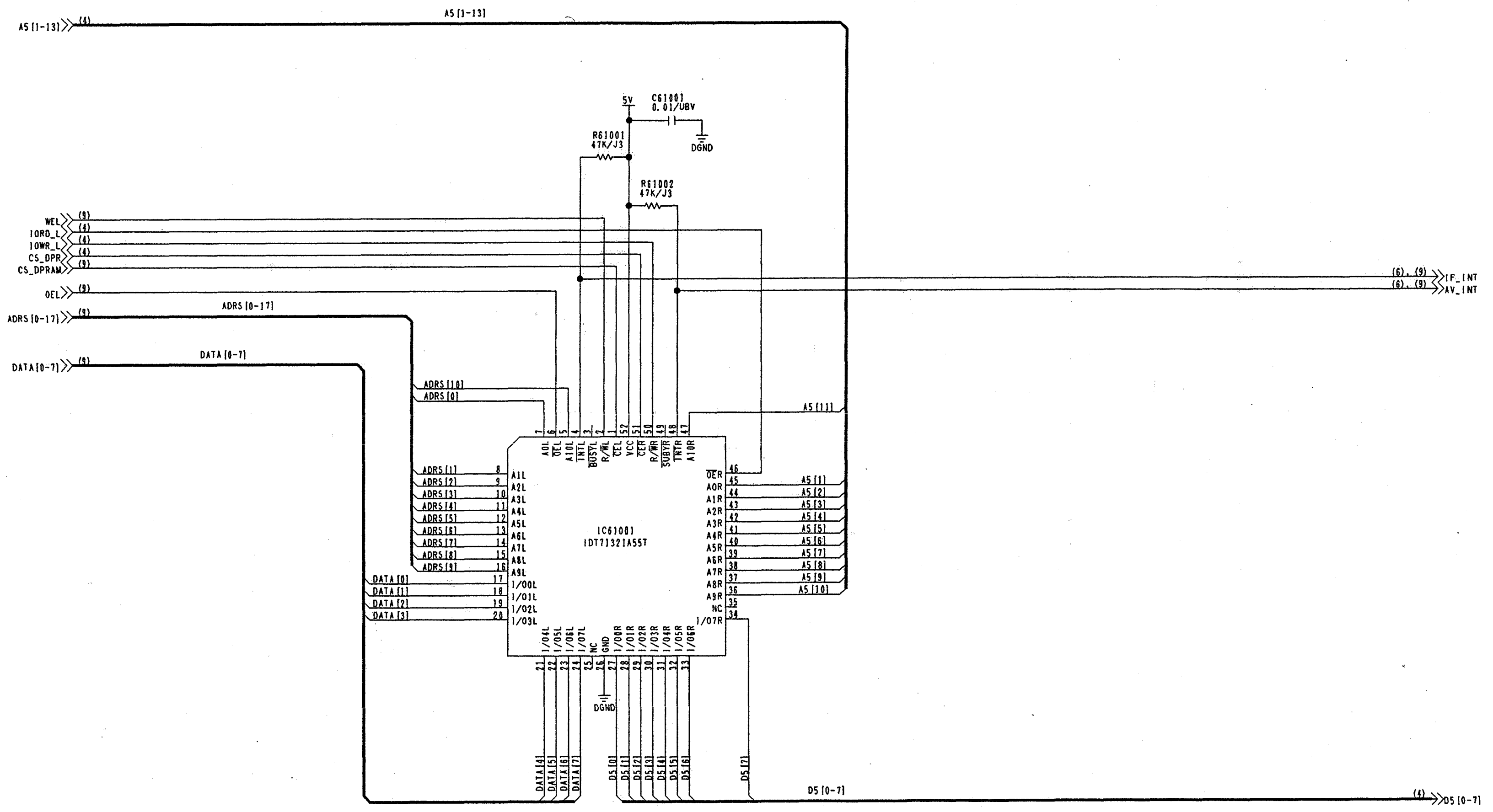
COMPONENT NAME	SERVO(SERVO MICOM-C & ATF)	02/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM016	


RTV_SPD (2)
PB_HSW (2)
VREF_IN (2)
3V (10)
RP_ENV (10)
PB_ENV (10)
TENSION (9)
FRP (10)
SYS_SRV_DATA (10)
SYS_SRV_CLK (10)
C_TXD (2)
DGND (10)
T_START (10)
T_END (10)
CAP_FG (3)
S_REEL_FG (8)
T_REEL_FG (8)
CAP_FWD_L (2)
S_REEL_FWD_L (8)
T_REEL_FWD_L (8)
SHORT_DET (4)
TSR (2)
R2118 1000/J3
R2119 1000/J3
R2120 1000/J3
R2121 100/J3
R2114 100/J3
R2124 100/J3
R2116 1000/J3
R2117 1000/J3
R2125 1000/J3
R2126 47K/J3
R2112 47K/J3
R2113 47K/J3
L2101 VLQ0319K100
L2102 VLQ0319K101
C2101 1/UBM
C2114 16V10/EVV
C2103 0.01/UBV
D1VAD
CP2161
CP2162
CP2163
CP2164
IC2101 M37774M5L420
PBCTLMON
VCC
VREF
AMPVSS
CTLVSS
CTL-
CTL+
CTL+SWOUT
CTLAMPIN
AMPC
CTLAMPOUT
CLAMPR
CLAMPF
AMPVREFIN
AMPVREFOUT
CPFGIN
DRFGIN
DRPGIN
AMPVCC
CSYNCIN
RESET
XIN
XOUT
CLKSEL
VSS
NUB
NUA
C2107 0.01/UBV
C2111 0.01/UBV
C2115 0.01/UBV
C2108 0.01/UBV
C2112 0.01/UBV
C2109 18P/UV
C2110 18P/UV
C2113 50VR33/EVV
IC2103 S80730ANDTT1
VSS VDD OUT
R2110 470/J3
R2111 10K/J3
X2101 VSX0821
IC2102 TC7SHU04FUTL
R2106 1M/J3
R2107 100/J3
R2108 330/J3
IC2106 TC7SHU04FUTL
R2127 0/J3
IC2908 TA75W01FUTL
R2109 120K/J3
C2116 0.033/UBN
IC2104 TC4W53FUTL
IC2105 TC4W53FUTL
R2128 1000/J3
C2117 0.01/UBV
R2122 100/J3
R2123 100/J3
R2115 1000/J3
CP2158
CP2159
T_REEL_ERR (4)
S_REEL_ERR (4)
SRV_SYS_DATA (10)
R_TXD (2)
R_C_CLK (10)
RTV_SPD_PB (10)
CP2150
CP2151
CP2152
CP2153
CP2154
CP2155
CP2156
CP2157
TPG201 EYF6CU
GND
RESET (2) (8) (10)
SV_CLK (2)
TRL_ON_H (4)
TRL_FWD_H (4)
SRL_ON_H (4)
SRL_FWD_H (4)
8MHz_CLK (8)
NT_PAL (8)
DGND

Ref No. 2100 Series.

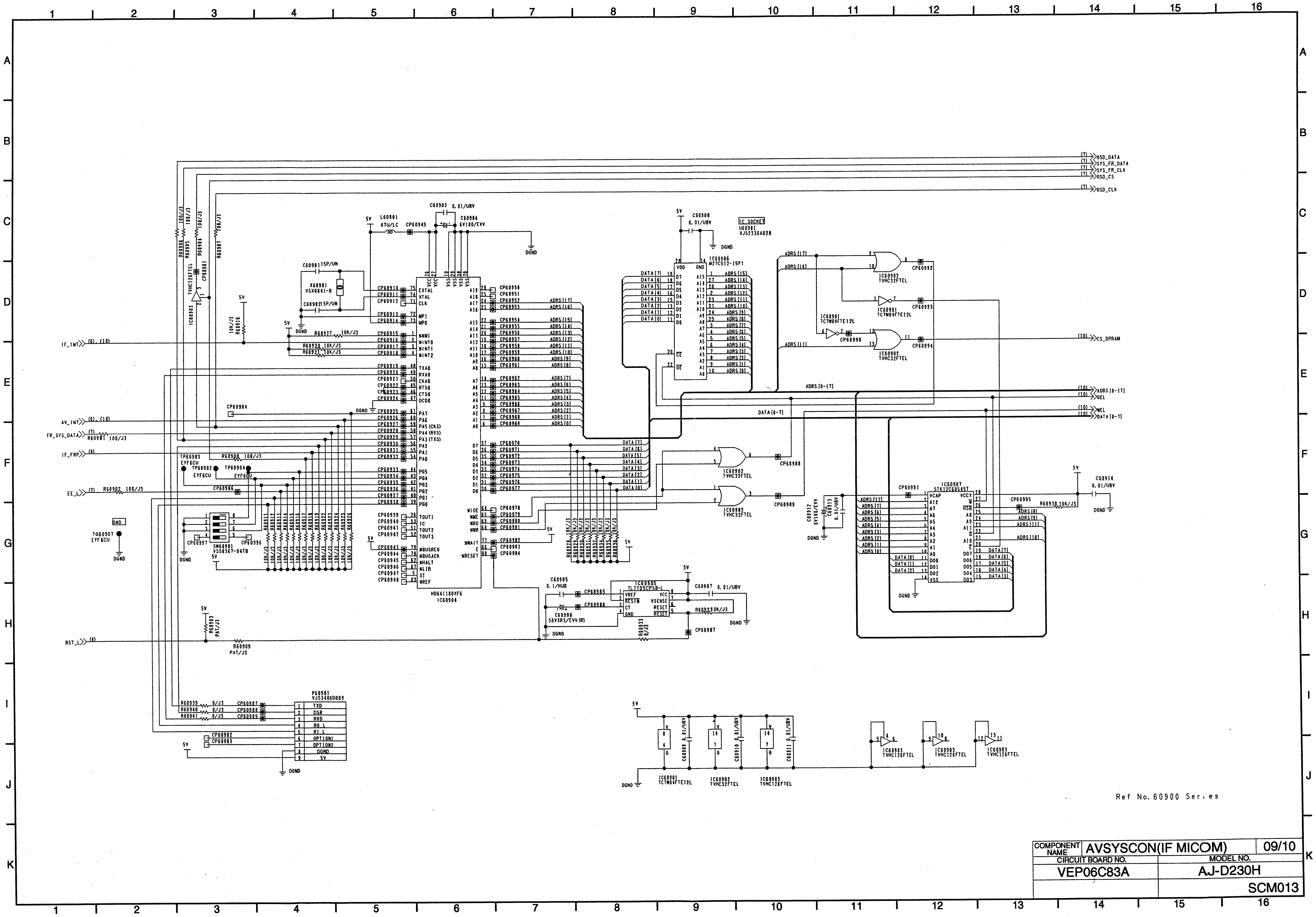
*PAT=PATTERN ONLY

COMPONENT NAME	SERVO (REEL SERVO MICON)	01/13
CIRCUIT BOARD NO.		MODEL NO.
VEP02545C		AJ-D230H
		SCM015

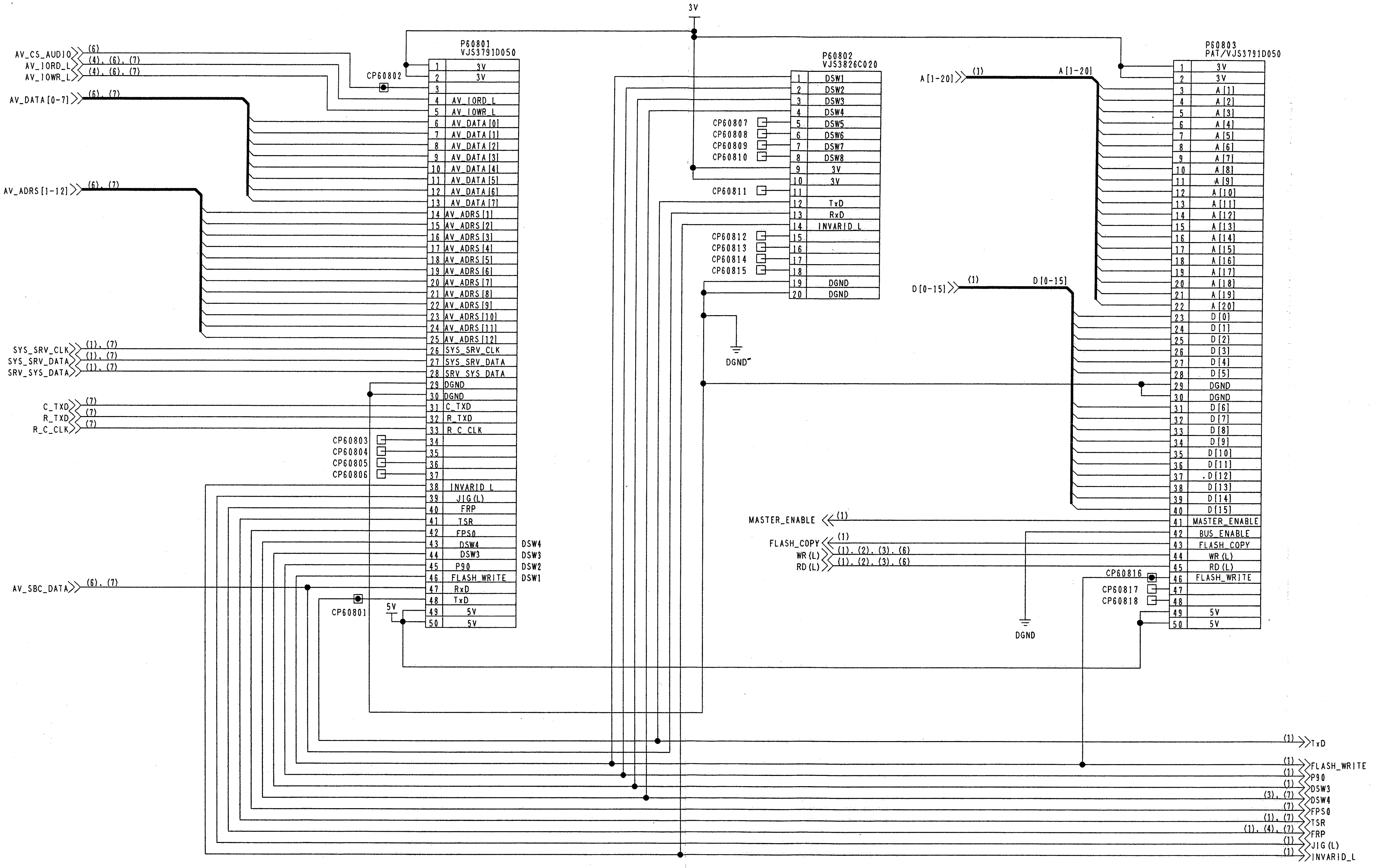

A5 [1-13]
(4)
A5 [1-13]
5V
C61001
0.01/UBV
DGND
R61001
47K/J3
R61002
47K/J3
WEL
IORD_L
IOWR_L
CS_DPR
CS_DPRAM
(9)
(4)
(4)
(4)
(9)
OEL
(9)
ADRS [0-17]
(9)
ADRS [0-17]
DATA [0-7]
(9)
DATA [0-7]
(6), (9)
IF_INT
(6), (9)
AV_INT
ADRS [10]
ADRS [0]
A5 [11]
A0L
OEL
A10L
INTL
BUSYL
R/WL
CEL
VCC
CER
R/WR
SUBYR
INTR
A10R
7
6
5
4
3
2
1
52
51
50
49
48
47
ADRS [1]
ADRS [2]
ADRS [3]
ADRS [4]
ADRS [5]
ADRS [6]
ADRS [7]
ADRS [8]
ADRS [9]
8
9
10
11
12
13
14
15
16
A1L
A2L
A3L
A4L
A5L
A6L
A7L
A8L
A9L
DATA [0]
DATA [1]
DATA [2]
DATA [3]
17
18
19
20
I/O0L
I/O1L
I/O2L
I/O3L
IC61001
IDT71321A55T
OER
A0R
A1R
A2R
A3R
A4R
A5R
A6R
A7R
A8R
A9R
NC
I/O7R
46
45
44
43
42
41
40
39
38
37
36
35
34
A5 [1]
A5 [2]
A5 [3]
A5 [4]
A5 [5]
A5 [6]
A5 [7]
A5 [8]
A5 [9]
A5 [10]
I/O4L
I/O5L
I/O6L
I/O7L
NC
GND
I/O0R
I/O1R
I/O2R
I/O3R
I/O4R
I/O5R
I/O6R
21
22
23
24
25
26
27
28
29
30
31
32
33
DGND
DATA [4]
DATA [5]
DATA [6]
DATA [7]
D5 [0]
D5 [1]
D5 [2]
D5 [3]
D5 [4]
D5 [5]
D5 [6]
D5 [7]
D5 [0-7]
(4)
D5 [0-7]

Ref No. 61000 Series

COMPONENT NAME	AVSYSCON(DUAL PORT RAM)	10/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D23OH	
	SCM014	

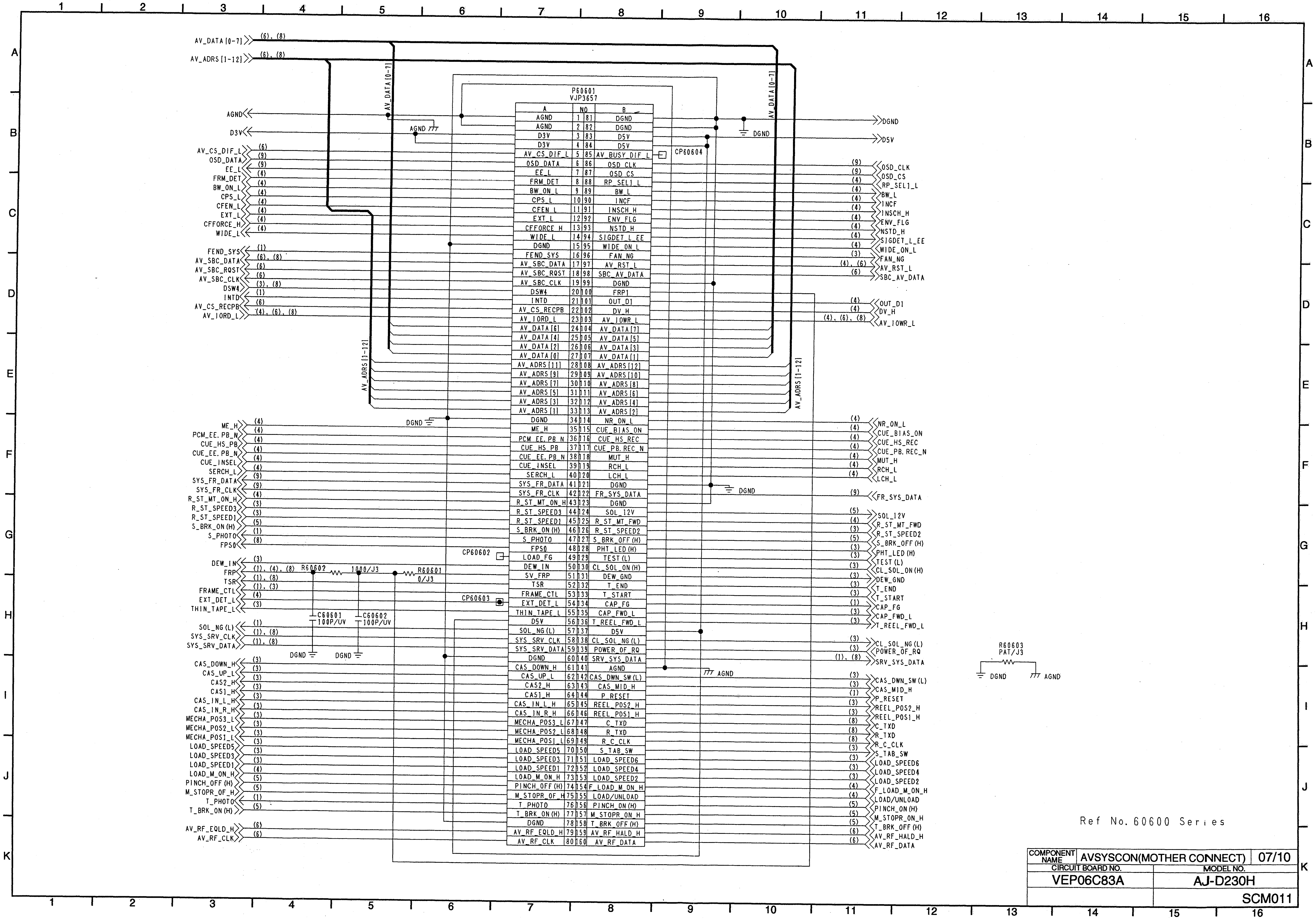

OSD_DATA
SYS_FR_DATA
SYS_FR_CLK
OSD_CS
OSD_CLK
IF_INT
AV_INT
FR_SYS_DATA
IF_FRP
EE_L
RST_L
CS_DPRAM
ADRS [0-17]
OEL
WEL
DATA [0-7]
HD64118OXF6
IC60904
M27C512-15F1
IC60906
IC SOCKET
U60901
VJS2336A028
TVHC32FTEL
IC60902
TC7W04FTE12L
IC60901
STK12C68545T
IC60907
TL7705CP5B-L
IC60905
TVHC126FTEL
IC60903
SW60901
VSS6367-04TB
PG60901
VJS3406D009
TXD
DSR
RXD
RO_L
RI_L
OPTION1
OPTION2
DGND
5V
GND
TG60907
EYF5CU
X60901
VSX0641-B
L60901
47U/LC
C60903
0.01/UBV
C60904
6V100/EVV
C60908
C60914
C60917
C60905
0.1/HUB
C60906
50V3R3/EVV(R)
C60907
EXTAL
XTAL
CLK
MP1
MP0
*NMI
*INT0
*INT1
*INT2
TXA0
RXA0
CKA0
RTS0
CTS0
DCD0
PA7
PA6
PA5 (CKS)
PA4 (RXS)
PA3 (TXS)
PA2
PA1
PA0
PG5
PG4
PG3
PG2
PG1
PG0
TOUT1
IC
TOUT2
TOUT3
*BUSREQ
*BUSACK
*HALT
*LIR
ST
*REF
*IOE
*ME
*RD
*WR
*WAIT
E
*RESET
VREF
RESIN
CT
VCC
VSENSE
RESET
Ref No. 60900 Series

COMPONENT NAME	AVSYSCON(IF MICOM)	09/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM013	


3V
P60801
VJS3791D050
1 3V
2 3V
3
4 AV_IORD_L
5 AV_IOWR_L
6 AV_DATA[0]
7 AV_DATA[1]
8 AV_DATA[2]
9 AV_DATA[3]
10 AV_DATA[4]
11 AV_DATA[5]
12 AV_DATA[6]
13 AV_DATA[7]
14 AV_ADRS[1]
15 AV_ADRS[2]
16 AV_ADRS[3]
17 AV_ADRS[4]
18 AV_ADRS[5]
19 AV_ADRS[6]
20 AV_ADRS[7]
21 AV_ADRS[8]
22 AV_ADRS[9]
23 AV_ADRS[10]
24 AV_ADRS[11]
25 AV_ADRS[12]
26 SYS_SRV_CLK
27 SYS_SRV_DATA
28 SRV_SYS_DATA
29 DGND
30 DGND
31 C_TXD
32 R_TXD
33 R_C_CLK
34
35
36
37
38 INVARID_L
39 JIG(L)
40 FRP
41 TSR
42 FPS0
43 DSW4
44 DSW3
45 P90
46 FLASH_WRITE
47 RxD
48 TxD
49 5V
50 5V
DSW4
DSW3
DSW2
DSW1
AV_CS_AUDIO (6)
AV_IORD_L (4), (6), (7)
AV_IOWR_L (4), (6), (7)
AV_DATA[0-7] (6), (7)
AV_ADRS[1-12] (6), (7)
SYS_SRV_CLK (1), (7)
SYS_SRV_DATA (1), (7)
SRV_SYS_DATA (1), (7)
C_TXD (7)
R_TXD (7)
R_C_CLK (7)
AV_SBC_DATA (6), (7)
CP60802
CP60803
CP60804
CP60805
CP60806
CP60801
5V
P60802
VJS3826C020
1 DSW1
2 DSW2
3 DSW3
4 DSW4
5 DSW5
6 DSW6
7 DSW7
8 DSW8
9 3V
10 3V
11
12 TxD
13 RxD
14 INVARID_L
15
16
17
18
19 DGND
20 DGND
CP60807
CP60808
CP60809
CP60810
CP60811
CP60812
CP60813
CP60814
CP60815
DGND
P60803
PAT/VJS3791D050
1 3V
2 3V
3 A[1]
4 A[2]
5 A[3]
6 A[4]
7 A[5]
8 A[6]
9 A[7]
10 A[8]
11 A[9]
12 A[10]
13 A[11]
14 A[12]
15 A[13]
16 A[14]
17 A[15]
18 A[16]
19 A[17]
20 A[18]
21 A[19]
22 A[20]
23 D[0]
24 D[1]
25 D[2]
26 D[3]
27 D[4]
28 D[5]
29 DGND
30 DGND
31 D[6]
32 D[7]
33 D[8]
34 D[9]
35 D[10]
36 D[11]
37 D[12]
38 D[13]
39 D[14]
40 D[15]
41 MASTER_ENABLE
42 BUS_ENABLE
43 FLASH_COPY
44 WR(L)
45 RD(L)
46 FLASH_WRITE
47
48
49 5V
50 5V
A[1-20] (1)
A[1-20]
D[0-15] (1)
D[0-15]
MASTER_ENABLE (1)
FLASH_COPY (1)
WR(L) (1), (2), (3), (6)
RD(L) (1), (2), (3), (6)
CP60816
CP60817
CP60818
DGND
(1) TxD
(1) FLASH_WRITE
(1) P90
(1) DSW3
(3), (7) DSW4
(7) FPS0
(1), (7) TSR
(1), (4), (7) FRP
(1) JIG(L)
(1) INVARID_L

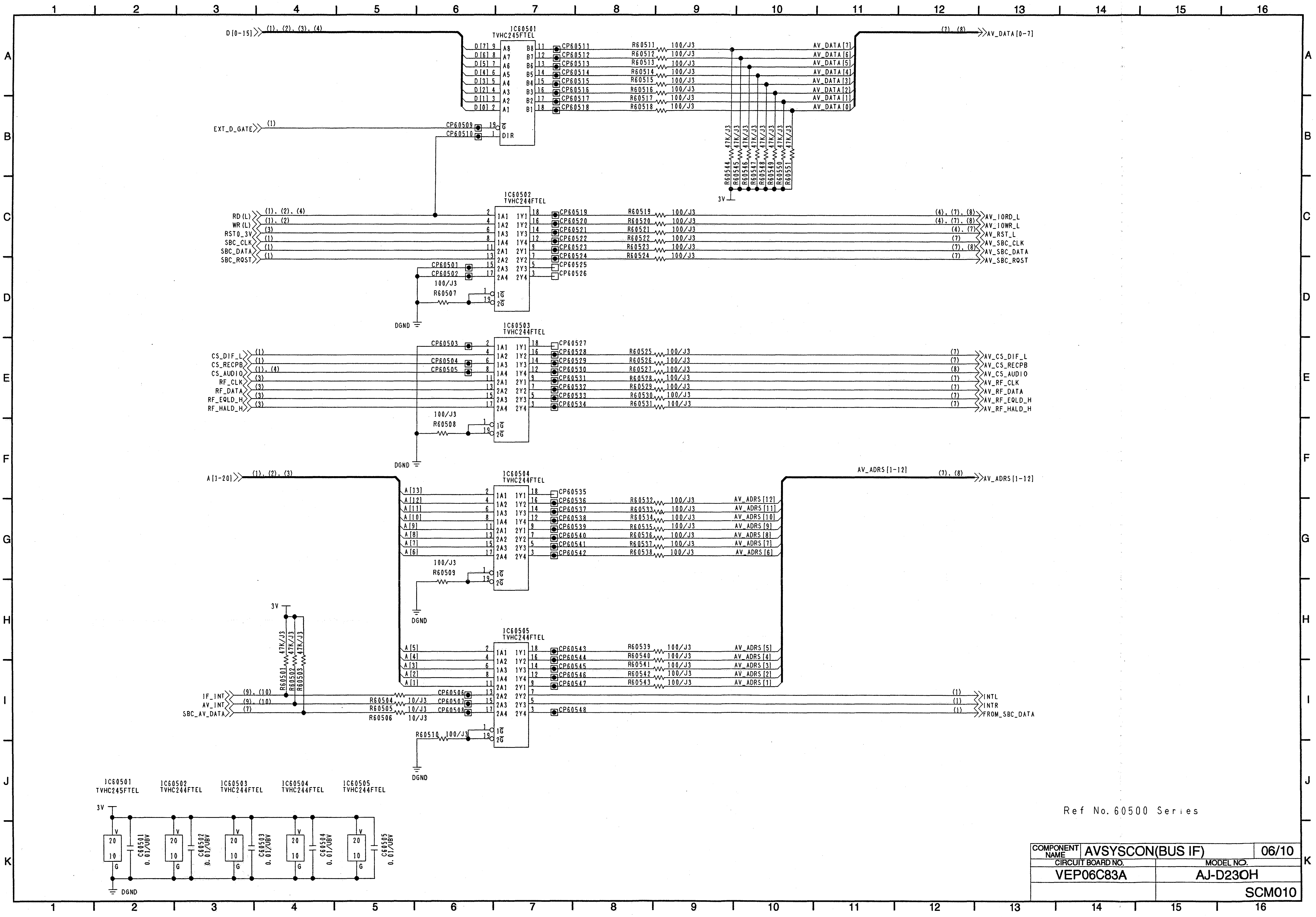
Ref No. 60800 Series

COMPONENT NAME	AVSYSCON(JIG IF)	08/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM012	


P60601
VJP3657
A | NO | B
AGND 1 81 DGND
AGND 2 82 DGND
D3V 3 83 D5V
D3V 4 84 D5V
AV_CS_DIF_L 5 85 AV_BUSY_DIF_L
OSD_DATA 6 86 OSD_CLK
EE_L 7 87 OSD_CS
FRM_DET 8 88 RP_SEL1_L
BW_ON_L 9 89 BW_L
CPS_L 10 90 INCF
CFEN_L 11 91 INSCH_H
EXT_L 12 92 ENV_FLG
CFFORCE_H 13 93 NSTD_H
WIDE_L 14 94 SIGDET_L_EE
DGND 15 95 WIDE_ON_L
FEND_SYS 16 96 FAN_NG
AV_SBC_DATA 17 97 AV_RST_L
AV_SBC_RQST 18 98 SBC_AV_DATA
AV_SBC_CLK 19 99 DGND
DSW4 20 100 FRP1
INTD 21 101 OUT_D1
AV_CS_RECPB 22 102 DV_H
AV_IORD_L 23 103 AV_IOWR_L
AV_DATA[6] 24 104 AV_DATA[7]
AV_DATA[4] 25 105 AV_DATA[5]
AV_DATA[2] 26 106 AV_DATA[3]
AV_DATA[0] 27 107 AV_DATA[1]
AV_ADRS[11] 28 108 AV_ADRS[12]
AV_ADRS[9] 29 109 AV_ADRS[10]
AV_ADRS[7] 30 110 AV_ADRS[8]
AV_ADRS[5] 31 111 AV_ADRS[6]
AV_ADRS[3] 32 112 AV_ADRS[4]
AV_ADRS[1] 33 113 AV_ADRS[2]
DGND 34 114 NR_ON_L
ME_H 35 115 CUE_BIAS_ON
PCM_EE.PB_N 36 116 CUE_HS_REC
CUE_HS_PB 37 117 CUE_PB.REC_N
CUE_EE.PB_N 38 118 MUT_H
CUE_INSEL 39 119 RCH_L
SERCH_L 40 120 LCH_L
SYS_FR_DATA 41 121 DGND
SYS_FR_CLK 42 122 FR_SYS_DATA
R_ST_MT_ON_H 43 123 DGND
R_ST_SPEED3 44 124 SOL_12V
R_ST_SPEED1 45 125 R_ST_MT_FWD
S_BRK_ON(H) 46 126 R_ST_SPEED2
S_PHOTO 47 127 S_BRK_OFF(H)
FPS0 48 128 PHT_LED(H)
LOAD_FG 49 129 TEST(L)
DEW_IN 50 130 CL_SOL_ON(H)
SV_FRP 51 131 DEW_GND
TSR 52 132 T_END
FRAME_CTL 53 133 T_START
EXT_DET_L 54 134 CAP_FG
THIN_TAPE_L 55 135 CAP_FWD_L
D5V 56 136 T_REEL_FWD_L
SOL_NG(L) 57 137 D5V
SYS_SRV_CLK 58 138 CL_SOL_NG(L)
SYS_SRV_DATA 59 139 POWER_OF_RQ
DGND 60 140 SRV_SYS_DATA
CAS_DOWN_H 61 141 AGND
CAS_UP_L 62 142 CAS_DWN_SW(L)
CAS2_H 63 143 CAS_MID_H
CAS1_H 64 144 P_RESET
CAS_IN_L_H 65 145 REEL_POS2_H
CAS_IN_R_H 66 146 REEL_POS1_H
MECHA_POS3_L 67 147 C_TXD
MECHA_POS2_L 68 148 R_TXD
MECHA_POS1_L 69 149 R_C_CLK
LOAD_SPEED5 70 150 S_TAB_SW
LOAD_SPEED3 71 151 LOAD_SPEED6
LOAD_SPEED1 72 152 LOAD_SPEED4
LOAD_M_ON_H 73 153 LOAD_SPEED2
PINCH_OFF(H) 74 154 F_LOAD_M_ON_H
M_STOPR_OF_H 75 155 LOAD/UNLOAD
T_PHOTO 76 156 PINCH_ON(H)
T_BRK_ON(H) 77 157 M_STOPR_ON_H
DGND 78 158 T_BRK_OFF(H)
AV_RF_EQLD_H 79 159 AV_RF_HALD_H
AV_RF_CLK 80 160 AV_RF_DATA
AV_DATA[0-7] (6), (8)
AV_ADRS[1-12] (6), (8)
AGND
D3V
DGND
D5V
CP60602
CP60603
CP60604
R60602 1000/J3
R60601 0/J3
C60601 100P/UV
C60602 100P/UV
R60603 PAT/J3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

Ref No. 60600 Series

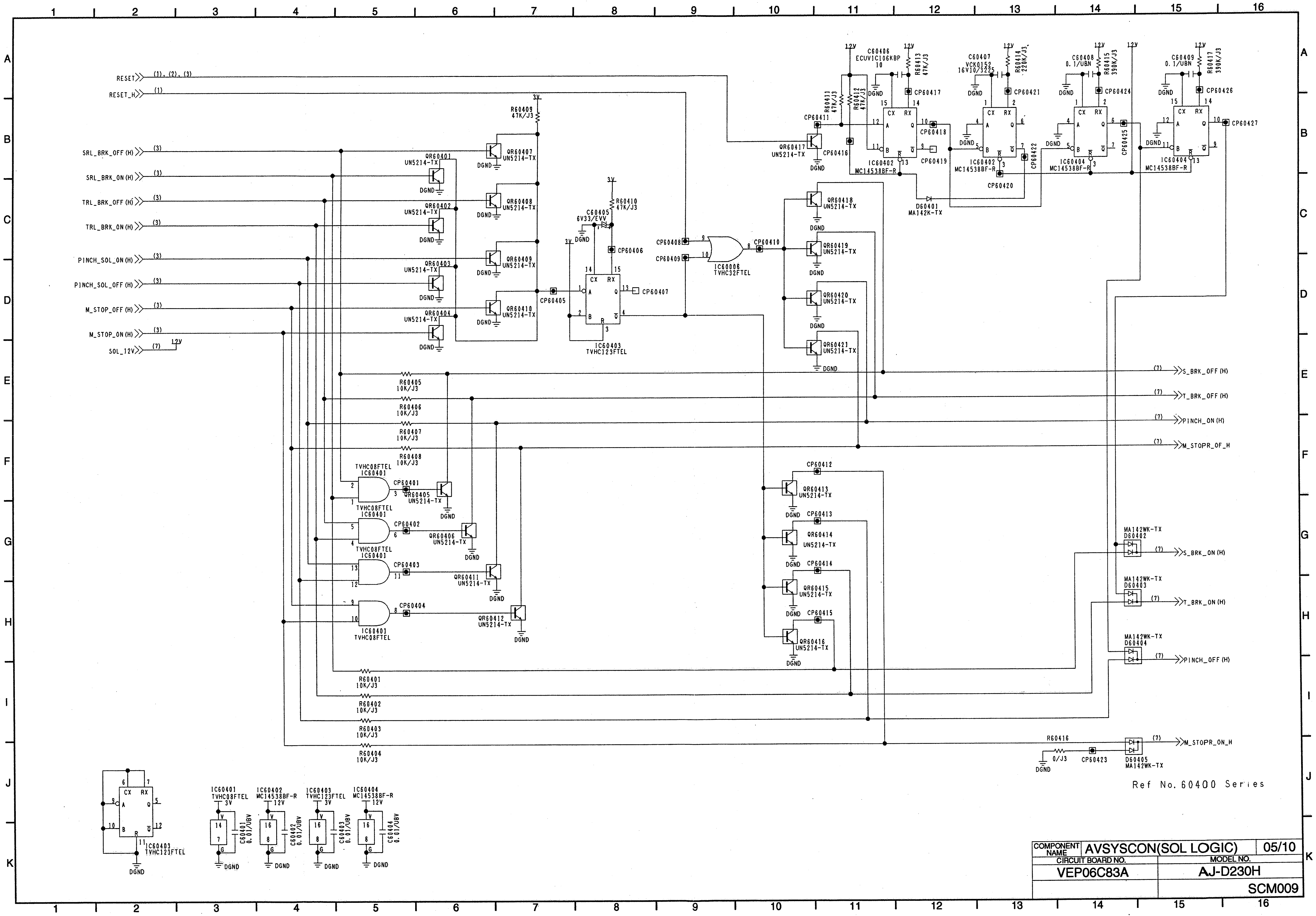
COMPONENT NAME	AVSYSCON(MOTHER CONNECT)	07/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM011	



IC60501
TVHC245FTEL
IC60502
TVHC244FTEL
IC60503
TVHC244FTEL
IC60504
TVHC244FTEL
IC60505
TVHC244FTEL
D[0-15]
(1), (2), (3), (4)
EXT_D_GATE
(1)
CP60509
CP60510
DIR
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
CP60511 CP60512 CP60513 CP60514 CP60515 CP60516 CP60517 CP60518
R60511 R60512 R60513 R60514 R60515 R60516 R60517 R60518
100/J3
AV_DATA[7] AV_DATA[6] AV_DATA[5] AV_DATA[4] AV_DATA[3] AV_DATA[2] AV_DATA[1] AV_DATA[0]
(7), (8)
AV_DATA[0-7]
R60544 R60545 R60546 R60547 R60548 R60549 R60550 R60551
47K/J3
3V
RD(L)
WR(L)
RST0_3V
SBC_CLK
SBC_DATA
SBC_RQST
CP60519 CP60520 CP60521 CP60522 CP60523 CP60524 CP60525 CP60526
R60519 R60520 R60521 R60522 R60523 R60524
CP60501
CP60502
R60507
DGND
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_SBC_CLK
AV_SBC_DATA
AV_SBC_RQST
(4), (7), (8)
(4), (7)
(7), (8)
CS_DIF_L
CS_RECPB
CS_AUDIO
RF_CLK
RF_DATA
RF_EQLD_H
RF_HALD_H
CP60503
CP60504
CP60505
CP60527 CP60528 CP60529 CP60530 CP60531 CP60532 CP60533 CP60534
R60525 R60526 R60527 R60528 R60529 R60530 R60531
R60508
AV_CS_DIF_L
AV_CS_RECPB
AV_CS_AUDIO
AV_RF_CLK
AV_RF_DATA
AV_RF_EQLD_H
AV_RF_HALD_H
A[1-20]
(1), (2), (3)
A[13] A[12] A[11] A[10] A[9] A[8] A[7] A[6]
CP60535 CP60536 CP60537 CP60538 CP60539 CP60540 CP60541 CP60542
R60532 R60533 R60534 R60535 R60536 R60537 R60538
AV_ADRS[12] AV_ADRS[11] AV_ADRS[10] AV_ADRS[9] AV_ADRS[8] AV_ADRS[7] AV_ADRS[6]
AV_ADRS[1-12]
R60509
A[5] A[4] A[3] A[2] A[1]
CP60543 CP60544 CP60545 CP60546 CP60547 CP60548
R60539 R60540 R60541 R60542 R60543
AV_ADRS[5] AV_ADRS[4] AV_ADRS[3] AV_ADRS[2] AV_ADRS[1]
IF_INT
AV_INT
SBC_AV_DATA
(9), (10)
R60501 R60502 R60503
R60504 R60505 R60506
10/J3
CP60506 CP60507 CP60508
R60510
INTL
INTR
FROM_SBC_DATA
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
C60501 C60502 C60503 C60504 C60505
0.01/UBV
V
G
20
10

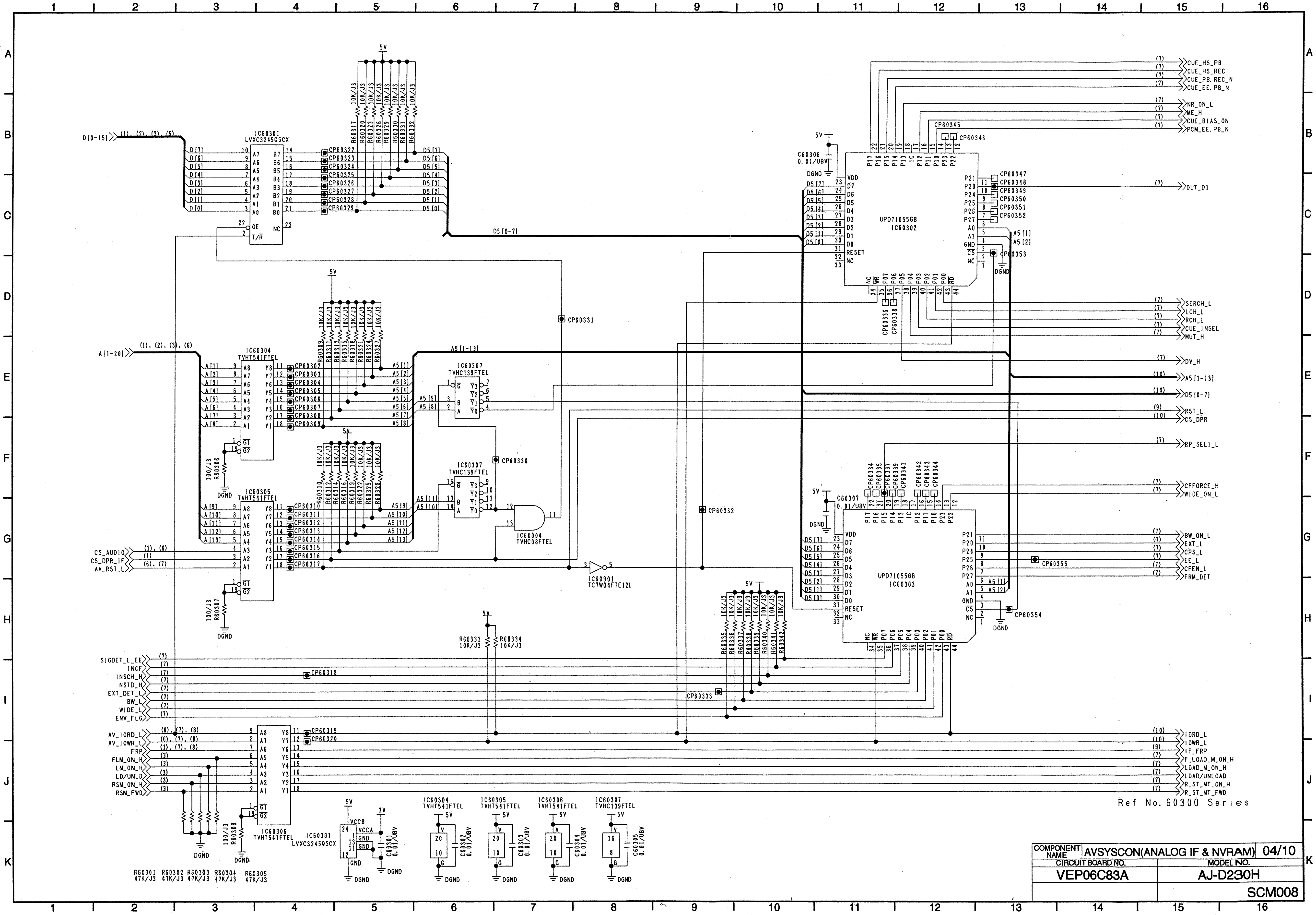
Ref No. 60500 Series

COMPONENT NAME	AVSYSCON(BUS IF)	06/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM010	


RESET (1), (2), (3)
RESET_H (1)
SRL_BRK_OFF (H) (3)
SRL_BRK_ON (H) (3)
TRL_BRK_OFF (H) (3)
TRL_BRK_ON (H) (3)
PINCH_SOL_ON (H) (3)
PINCH_SOL_OFF (H) (3)
M_STOP_OFF (H) (3)
M_STOP_ON (H) (3)
SOL_12V (7) 12V
3V
R60409 47K/J3
QR60401 UN5214-TX
QR60402 UN5214-TX
QR60403 UN5214-TX
QR60404 UN5214-TX
QR60407 UN5214-TX
QR60408 UN5214-TX
QR60409 UN5214-TX
QR60410 UN5214-TX
DGND
CP60405
C60405 6V33/EVV
R60410 47K/J3
CP60406
CP60407
IC60403 TVHC123FTEL
CP60408
CP60409
IC60006 TVHC32FTEL
CP60410
QR60417 UN5214-TX
CP60411
CP60416
R60411 47K/J3
R60412 47K/J3
C60406 ECUV1C106KBP 10
R60413 47K/J3
CP60417
CP60418
CP60419
IC60402 MC14538BF-R
D60401 MA142K-TX
C60407 VCK0152 16V10/3225
R60414 220K/J3
CP60421
CP60420
CP60422
C60408 0.1/UBN
R60415 390K/J3
CP60424
CP60425
IC60404 MC14538BF-R
C60409 0.1/UBN
R60417 390K/J3
CP60426
CP60427
12V
QR60418 UN5214-TX
QR60419 UN5214-TX
QR60420 UN5214-TX
QR60421 UN5214-TX
R60405 10K/J3
R60406 10K/J3
R60407 10K/J3
R60408 10K/J3
(7) S_BRK_OFF (H)
(7) T_BRK_OFF (H)
(7) PINCH_ON (H)
(7) M_STOPR_OF_H
TVHC08FTEL IC60401
CP60401
QR60405 UN5214-TX
CP60402
QR60406 UN5214-TX
CP60403
QR60411 UN5214-TX
CP60404
QR60412 UN5214-TX
CP60412
QR60413 UN5214-TX
CP60413
QR60414 UN5214-TX
CP60414
QR60415 UN5214-TX
CP60415
QR60416 UN5214-TX
MA142WK-TX D60402
(7) S_BRK_ON (H)
MA142WK-TX D60403
(7) T_BRK_ON (H)
MA142WK-TX D60404
(7) PINCH_OFF (H)
R60401 10K/J3
R60402 10K/J3
R60403 10K/J3
R60404 10K/J3
R60416 0/J3
CP60423
D60405 MA142WK-TX
(7) M_STOPR_ON_H
IC60403 TVHC123FTEL
IC60401 TVHC08FTEL 3V
IC60402 MC14538BF-R 12V
IC60403 TVHC123FTEL 3V
IC60404 MC14538BF-R 12V
C60401 0.01/UBV
C60402 0.01/UBV
C60403 0.01/UBV
C60404 0.01/UBV

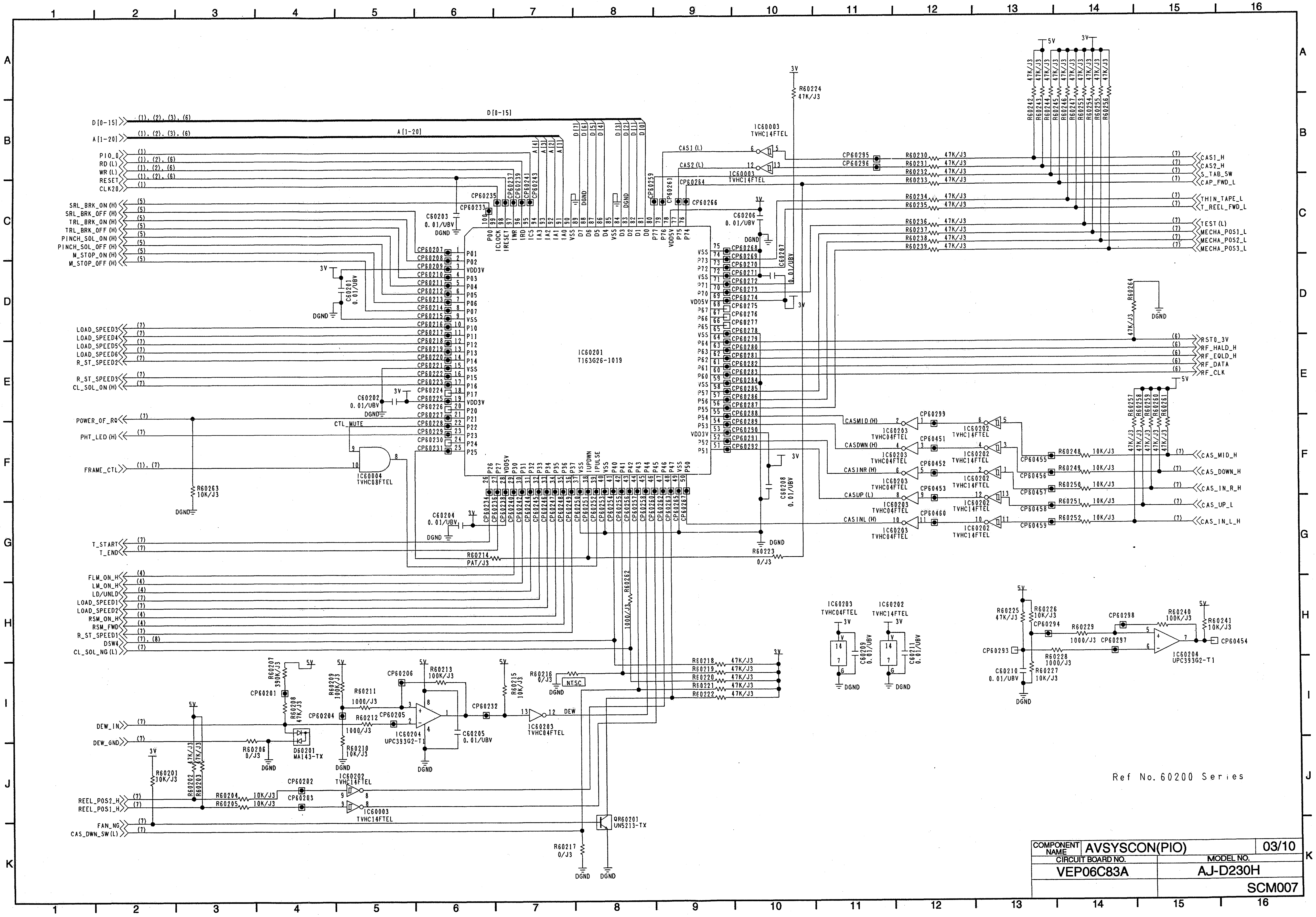
Ref No. 60400 Series

COMPONENT NAME	AVSYSCON(SOL LOGIC)	05/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM009	


D[0-15]
(1), (2), (3), (6)
IC60301
LVXC3245QSCX
CP60322
CP60323
CP60324
CP60325
CP60326
CP60327
CP60328
CP60329
D5[0-7]
5V
10K/J3
R60317
R60320
R60323
R60326
R60329
R60330
R60331
R60332
A[1-20]
A5[1-13]
IC60304
TVHT541FTEL
CP60302
CP60303
CP60304
CP60305
CP60306
CP60307
CP60308
CP60309
IC60305
TVHT541FTEL
CP60310
CP60311
CP60312
CP60313
CP60314
CP60315
CP60316
CP60317
IC60307
TVHC139FTEL
CP60330
CP60331
IC60004
TVHC08FTEL
IC60901
TC7W04FTE12L
CP60332
100/J3
R60306
R60307
DGND
CS_AUDIO
CS_DPR_IF
AV_RST_L
(1), (6)
(1)
(6), (7)
5V
C60306
0.01/UBV
UPD71055GB
IC60302
CP60345
CP60346
CP60347
CP60348
CP60349
CP60350
CP60351
CP60352
CP60353
CP60336
CP60338
UPD71055GB
IC60303
C60307
0.01/UBV
CP60334
CP60335
CP60337
CP60339
CP60341
CP60342
CP60343
CP60344
CP60354
CP60355
R60335
R60336
R60337
R60338
R60339
R60340
R60341
R60342
CP60333
R60333
10K/J3
R60334
10K/J3
CP60318
SIGDET_L_EE
INCF
INSCH_H
NSTD_H
EXT_DET_L
BW_L
WIDE_L
ENV_FLG
(7)
AV_IORD_L
AV_IOWR_L
FRP
FLM_ON_H
LM_ON_H
LD/UNLD
RSM_ON_H
RSM_FWD
(6), (7), (8)
(1), (7), (8)
(3)
IC60306
TVHT541FTEL
CP60319
CP60320
R60308
R60301 47K/J3
R60302 47K/J3
R60303 47K/J3
R60304 47K/J3
R60305 47K/J3
IC60301
LVXC3245QSCX
3V
C60301
0.01/UBV
IC60304
TVHT541FTEL
C60302
0.01/UBV
IC60305
TVHT541FTEL
C60303
0.01/UBV
IC60306
TVHT541FTEL
C60304
0.01/UBV
IC60307
TVHC139FTEL
C60305
0.01/UBV
CUE_HS_PB
CUE_HS_REC
CUE_PB.REC_N
CUE_EE.PB_N
NR_ON_L
ME_H
CUE_BIAS_ON
PCM_EE.PB_N
OUT_D1
SERCH_L
LCH_L
RCH_L
CUE_INSEL
MUT_H
DV_H
(10)
A5[1-13]
D5[0-7]
(9)
RST_L
CS_DPR
RP_SEL1_L
CFFORCE_H
WIDE_ON_L
BW_ON_L
EXT_L
CPS_L
EE_L
CFEN_L
FRM_DET
IORD_L
IOWR_L
IF_FRP
F_LOAD_M_ON_H
LOAD_M_ON_H
LOAD/UNLOAD
R_ST_MT_ON_H
R_ST_MT_FWD

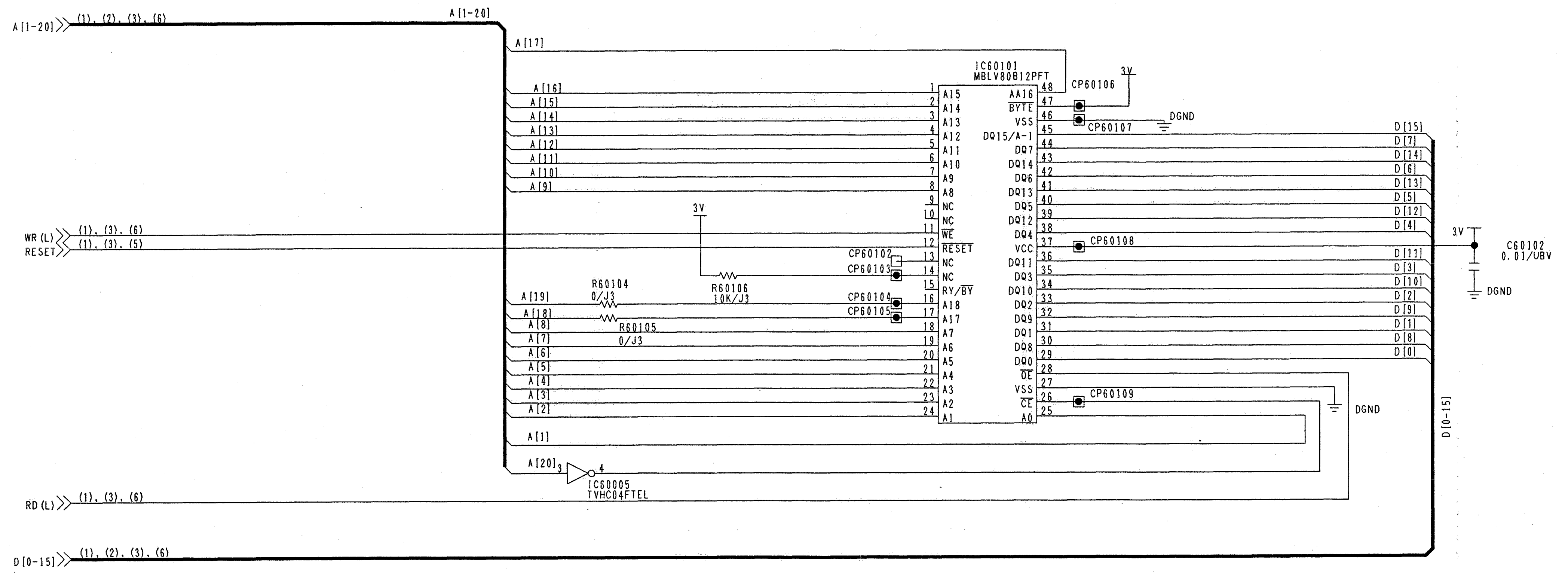
Ref No. 60300 Series

COMPONENT NAME	AVSYSCON(ANALOG IF & NVRAM)	04/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM008	


D[0-15]
A[1-20]
PIO_0
RD(L)
WR(L)
RESET
CLK20
SRL_BRK_ON(H)
SRL_BRK_OFF(H)
TRL_BRK_ON(H)
TRL_BRK_OFF(H)
PINCH_SOL_ON(H)
PINCH_SOL_OFF(H)
M_STOP_ON(H)
M_STOP_OFF(H)
LOAD_SPEED3
LOAD_SPEED4
LOAD_SPEED5
LOAD_SPEED6
R_ST_SPEED2
R_ST_SPEED3
CL_SOL_ON(H)
POWER_OF_RQ
PHT_LED(H)
FRAME_CTL
CTL_MUTE
T_START
T_END
FLM_ON_H
LM_ON_H
LD/UNLD
LOAD_SPEED1
LOAD_SPEED2
RSM_ON_H
RSM_FWD
R_ST_SPEED1
DSW4
CL_SOL_NG(L)
DEW_IN
DEW_GND
REEL_POS2_H
REEL_POS1_H
FAN_NG
CAS_DWN_SW(L)
IC60201
TI63G26-1019
IC60003
TVHC14FTEL
IC60004
TVHC08FTEL
IC60202
TVHC14FTEL
IC60203
TVHC04FTEL
IC60204
UPC393G2-T1
D60201
MA143-TX
QR60201
UN5213-TX
NTSC
DEW
CAS1(L)
CAS2(L)
CASMID(H)
CASDWN(H)
CASINR(H)
CASUP(L)
CASINL(H)
CAS1_H
CAS2_H
S_TAB_SW
CAP_FWD_L
THIN_TAPE_L
T_REEL_FWD_L
TEST(L)
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
RST0_3V
RF_HALD_H
RF_EQLD_H
RF_DATA
RF_CLK
CAS_MID_H
CAS_DOWN_H
CAS_IN_R_H
CAS_UP_L
CAS_IN_L_H
CP60454
3V
5V
DGND

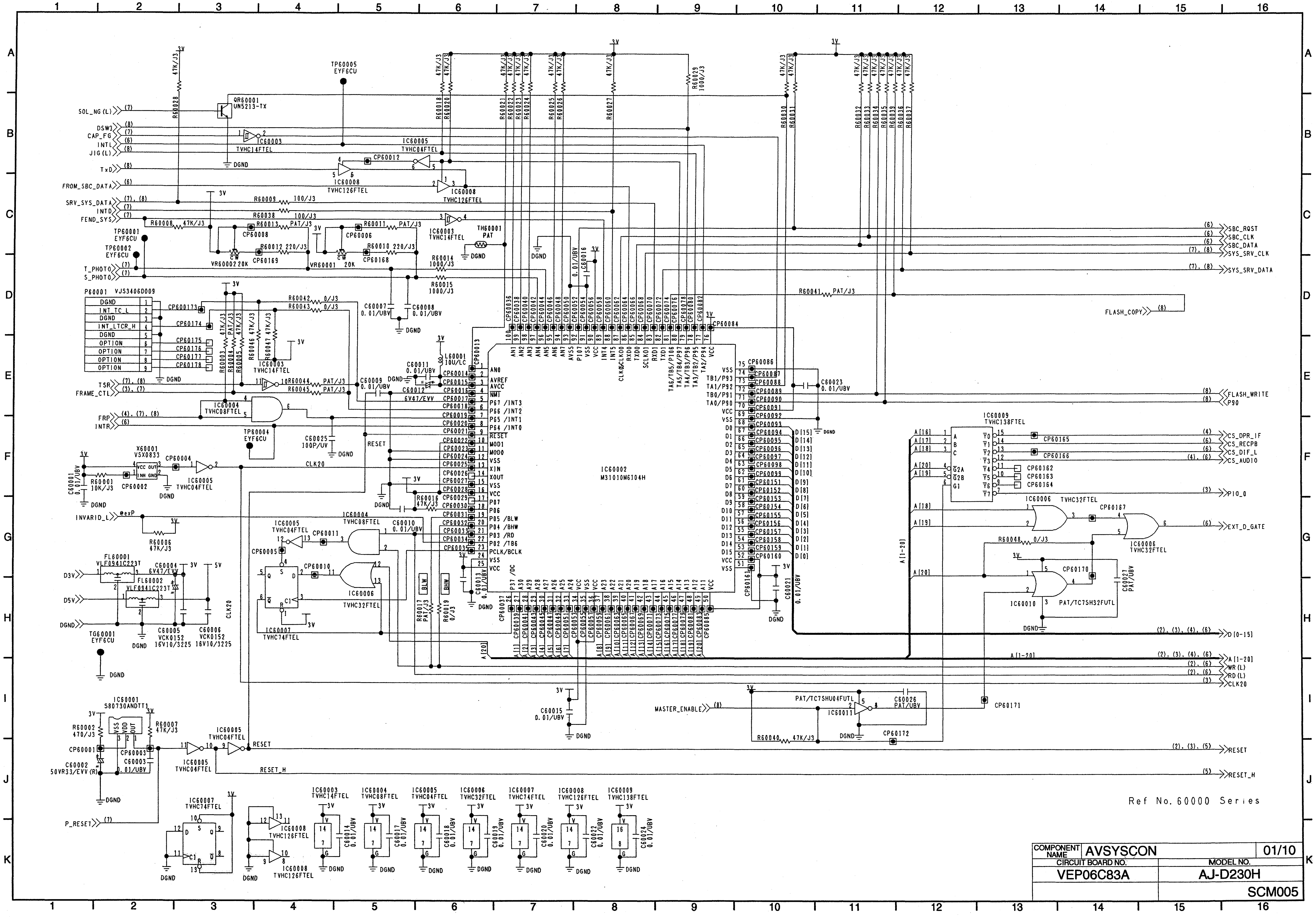
Ref No. 60200 Series

COMPONENT NAME	AVSYSCON(PIO)	03/10
CIRCUIT BOARD NO.		MODEL NO.
VEP06C83A		AJ-D230H
		SCM007


A[1-20]
(1), (2), (3), (6)
A[1-20]
A[17]
A[16]
A[15]
A[14]
A[13]
A[12]
A[11]
A[10]
A[9]
WR (L)
RESET
(1), (3), (6)
(1), (3), (5)
3V
R60106
10K/J3
R60104
0/J3
A[19]
A[18]
R60105
0/J3
A[8]
A[7]
A[6]
A[5]
A[4]
A[3]
A[2]
A[1]
A[20]
3
4
IC60005
TVHC04FTEL
RD (L)
(1), (3), (6)
D[0-15]
(1), (2), (3), (6)
IC60101
MBLV80B12PFT
1 A15
2 A14
3 A13
4 A12
5 A11
6 A10
7 A9
8 A8
9 NC
10 NC
11 WE
12 RESET
13 NC
14 NC
15 RY/BY
16 A18
17 A17
18 A7
19 A6
20 A5
21 A4
22 A3
23 A2
24 A1
48 AA16
47 BYTE
46 VSS
45 DQ15/A-1
44 DQ7
43 DQ14
42 DQ6
41 DQ13
40 DQ5
39 DQ12
38 DQ4
37 VCC
36 DQ11
35 DQ3
34 DQ10
33 DQ2
32 DQ9
31 DQ1
30 DQ8
29 DQ0
28 OE
27 VSS
26 CE
25 A0
CP60102
CP60103
CP60104
CP60105
CP60106
CP60107
CP60108
CP60109
3V
DGND
D[15]
D[7]
D[14]
D[6]
D[13]
D[5]
D[12]
D[4]
D[11]
D[3]
D[10]
D[2]
D[9]
D[1]
D[8]
D[0]
3V
C60102
0.01/UBV
DGND
DGND
D[0-15]

Ref No. 60100 Series

COMPONENT NAME	AVSYSCON(ROM)	02/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM006	


SOL_NG(L)
DSW3
CAP_FG
INTL
JIG(L)
TxD
FROM_SBC_DATA
SRV_SYS_DATA
INTD
FEND_SYS
T_PHOTO
S_PHOTO
QR60001 UN5213-TX
TP60005 EYF6CU
TP60001 EYF6CU
TP60002 EYF6CU
IC60003 TVHC14FTEL
IC60005 TVHC04FTEL
IC60008 TVHC126FTEL
TH60001 PAT
VR60002 20K
VR60001 20K
P60001 VJS3406D009
DGND
INT_TC_L
DGND
INT_LTCR_H
DGND
OPTION
OPTION
OPTION
OPTION
OPTION
TSR
FRAME_CTL
FRP
INTR
IC60004 TVHC08FTEL
TP60004 EYF6CU
X60001 VSX0833
CLK20
INVARID_L
FL60001 VLF0941C223T
FL60002 VLF0941C223T
D3V
D5V
DGND
C60005 VCK0152 16V10/3225
C60006 VCK0152 16V10/3225
TG60001 EYF6CU
IC60006 TVHC32FTEL
IC60007 TVHC74FTEL
IC60002 M31010M6104H
IC60001 S80730ANDTT1
RESET
RESET_H
P_RESET
SBC_RQST
SBC_CLK
SBC_DATA
SYS_SRV_CLK
SYS_SRV_DATA
FLASH_COPY
FLASH_WRITE
P90
IC60009 TVHC138FTEL
CS_DPR_IF
CS_RECPB
CS_DIF_L
CS_AUDIO
P10_0
EXT_D_GATE
IC60010 PAT/TC7SH32FUTL
D[0-15]
A[1-20]
WR(L)
RD(L)
CLK20
MASTER_ENABLE
IC60011 PAT/TC7SHU04FUTL
RESET
RESET_H
3V
5V

Ref No. 60000 Series

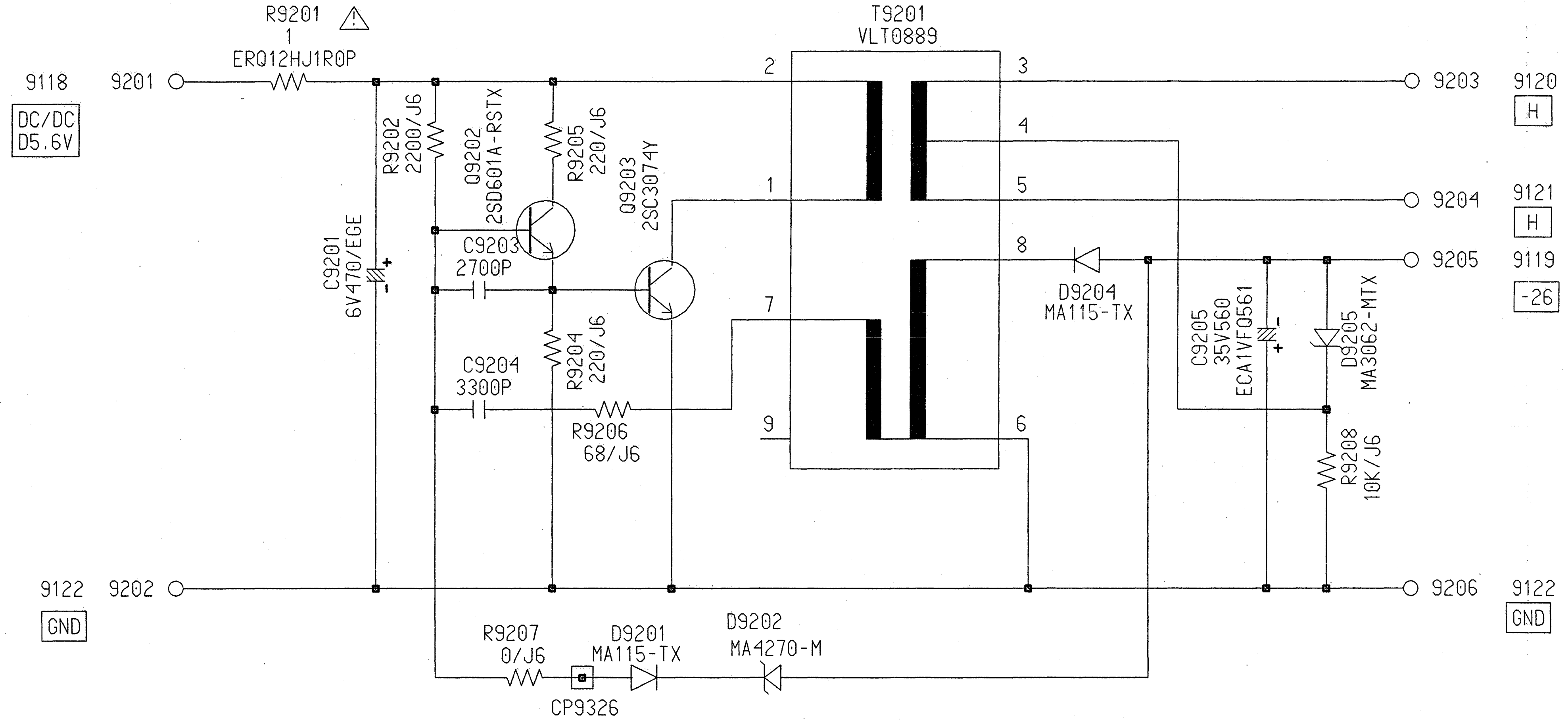
COMPONENT NAME	AVSYSCON	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C83A	AJ-D230H	
	SCM005	

⚠ 警 告

⚠印の部品は安全上重要な部品です。
交換するときは、安全および性能維持の
ため必ず指定の部品をご使用ください。

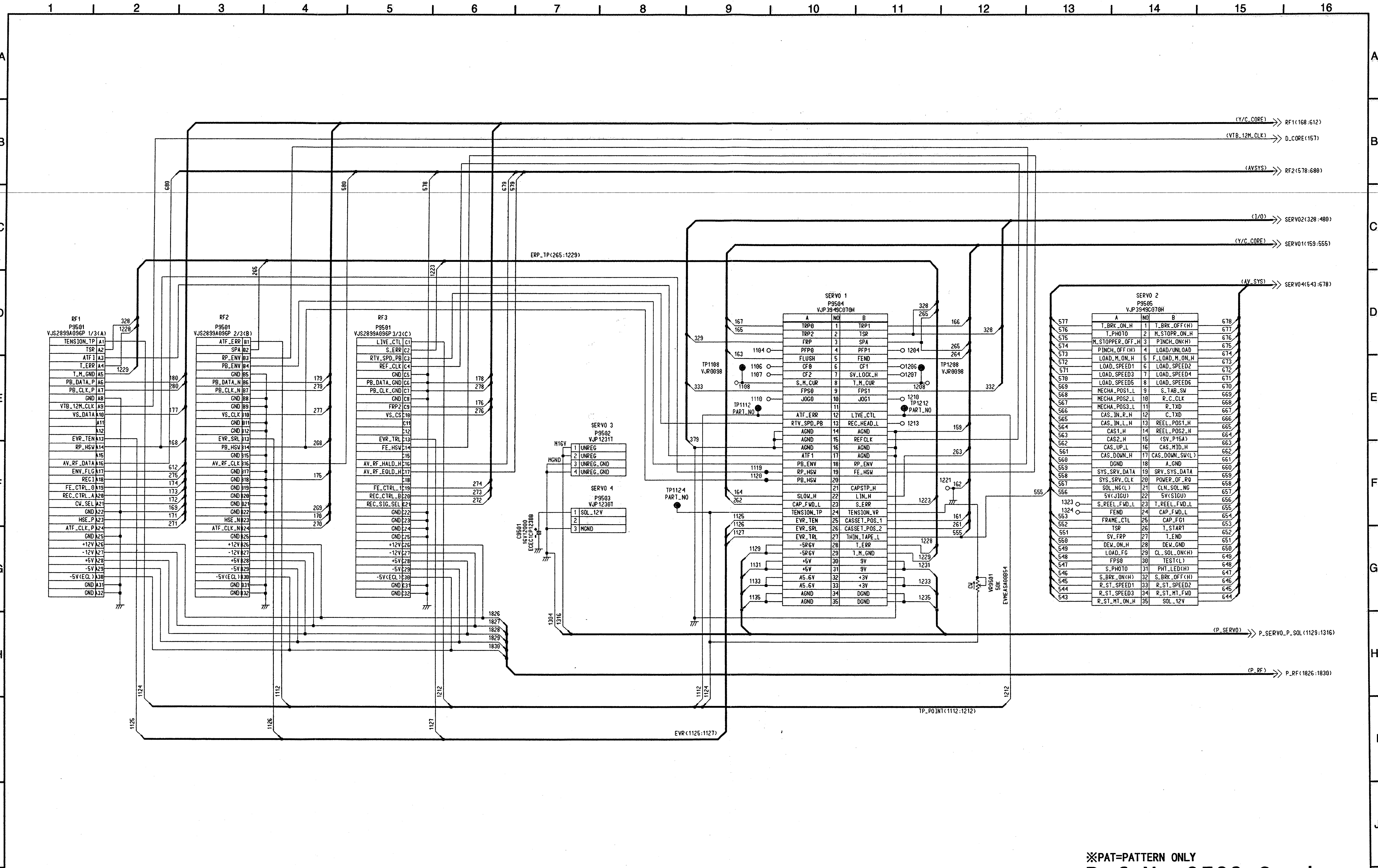
JAPAN ONLY

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


9118
DC/DC
D5.6V
9201
R9201 ⚠
1
ERQ12HJ1R0P
C9201
6V470/EGE
R9202
2200/J6
Q9202
2SD601A-RSTX
R9205
220/J6
Q9203
2SC3074Y
C9203
2700P
R9204
220/J6
C9204
3300P
R9206
68/J6
T9201
VLT0889
2
1
7
9
3
4
5
8
6
D9204
MA115-TX
C9205
35V560
ECA1VFQ561
D9205
MA3062-MTX
R9208
10K/J6
9203
9120
H
9204
9121
H
9205
9119
-26
9206
9122
GND
9122
GND
9202
R9207
0/J6
CP9326
D9201
MA115-TX
D9202
MA4270-M

Ref No. 9200 Series.

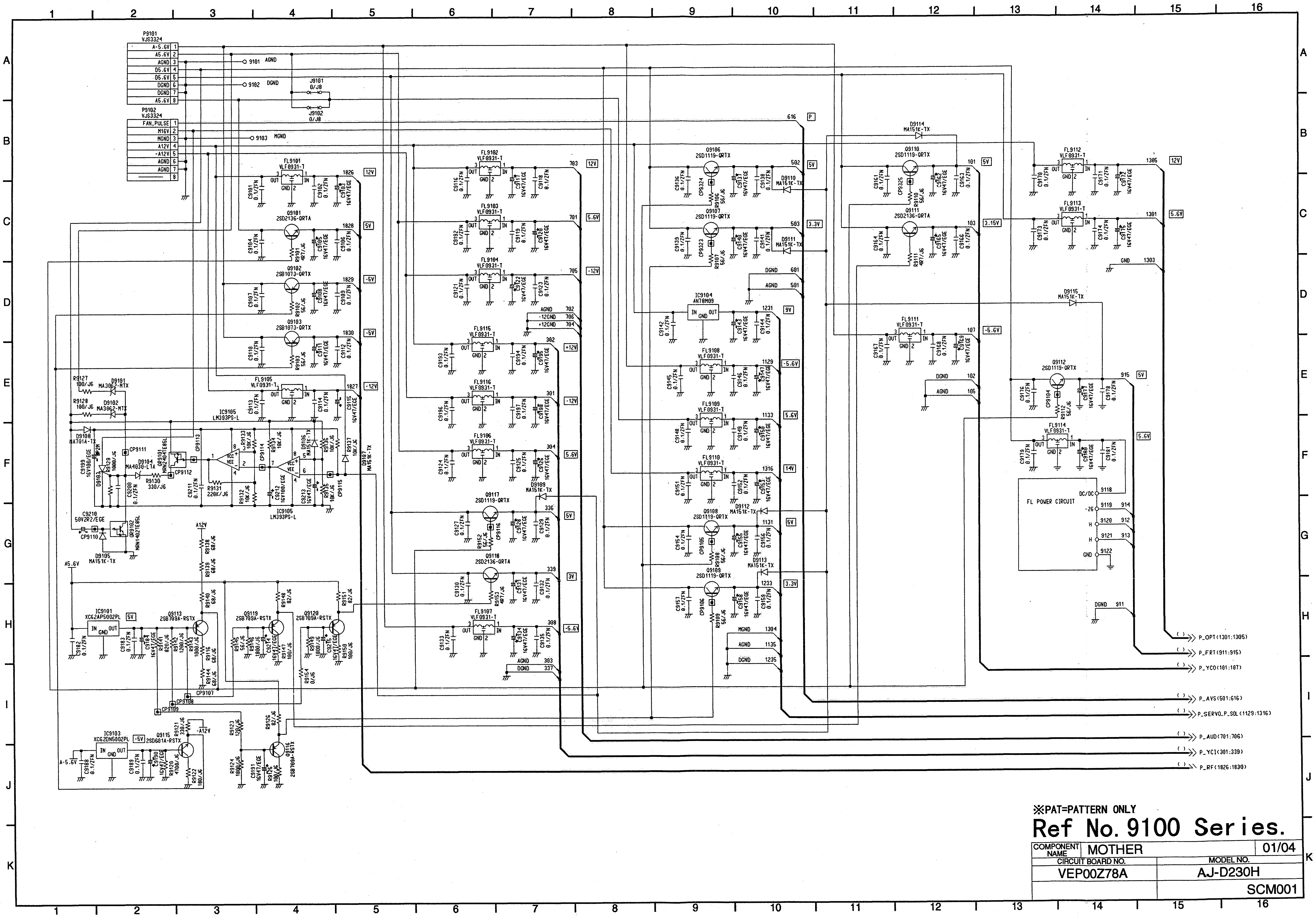
COMPONENT NAME	MOTHER	04/04
CIRCUIT BOARD NO.	MODEL NO.	
VEP00Z78A	AJ-D230H	
	SCM004	


RF1
P9501
VJS2899A096P 1/3(A)
RF2
P9501
VJS2899A096P 2/3(B)
RF3
P9501
VJS2899A096P 3/3(C)
SERVO 1
P9504
VJP3949C070H
SERVO 2
P9505
VJP3949C070H
SERVO 3
P9502
VJP1231T
SERVO 4
P9503
VJP1230T
ERP_TP(265:1229)
(Y/C_CORE) RF1(168:612)
(VTB_12M_CLK) D_CORE(157)
(AVSYS) RF2(578:680)
(I/O) SERVO2(328:480)
(Y/C_CORE) SERVO1(159:555)
(AV_SYS) SERVO4(543:678)
(P_SERVO) P_SERVO_P_SOL(1129:1316)
(P_RF) P_RF(1826:1839)
TP_POINT(1112:1212)
EVR(1125:1127)
TP1108
VJR0098
TP1208
VJR0098
TP1112
PART_NO
TP1212
PART_NO
TP1124
PART_NO
C9501
16V1200U
ECEA1CP122B
VR9501
50K
EVMEASA00B54
M16V
MGND

※PAT=PATTERN ONLY

Ref No. 9500 Series.

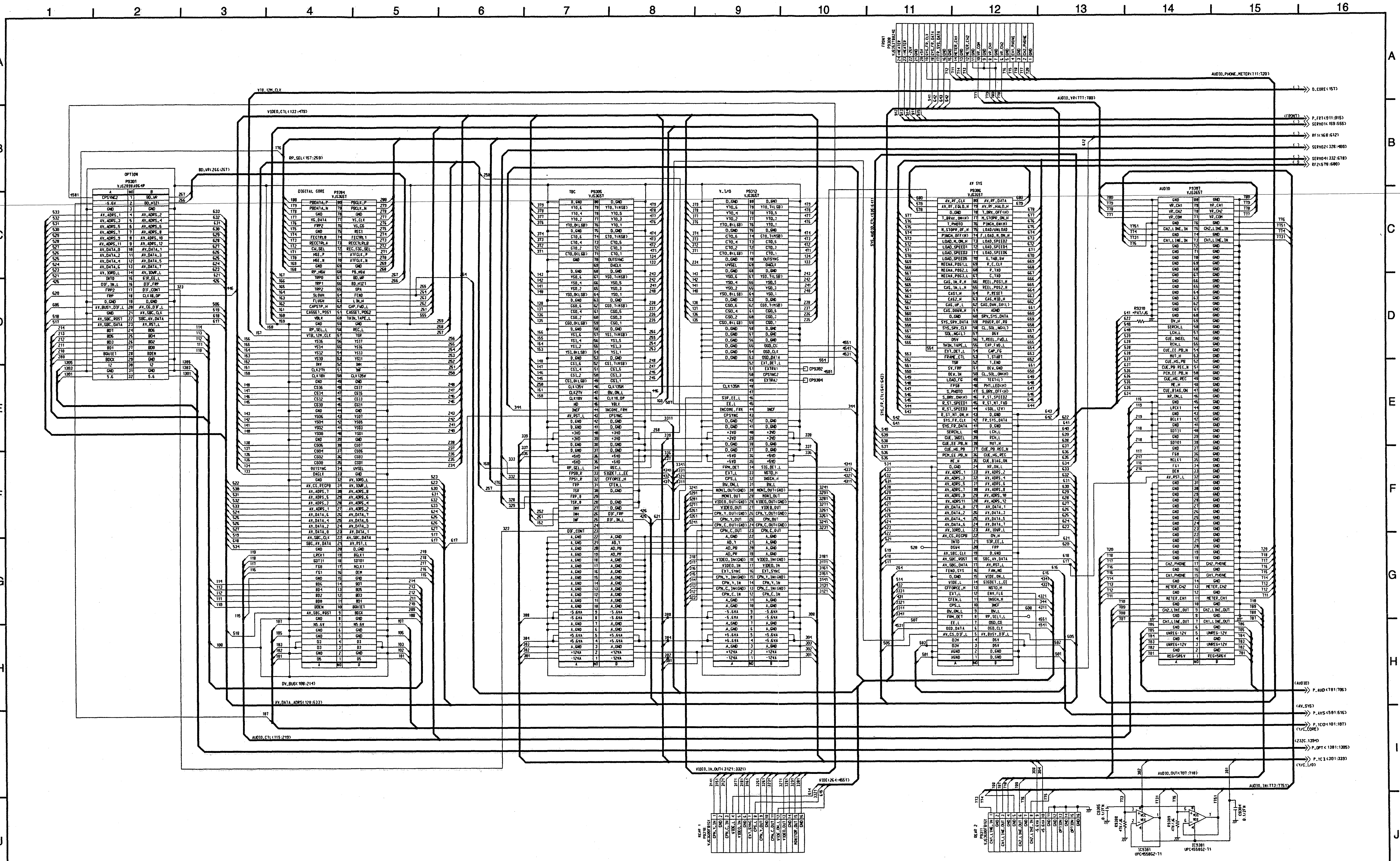
COMPONENT NAME	MOTHER	03/04
CIRCUIT BOARD NO.	MODEL NO.	
VEP00Z78A	AJ-D230H	
	SCM003	


P9101 VJS3324
A-5.6V
A5.6V
AGND
D5.6V
DGND
A5.6V
P9102 VJS3324
FAN_PULSE
M16V
MGND
A12V
-A12V
AGND
9101 AGND
9102 DGND
9103 MGND
J9101 0/J8
J9102 0/J8
FL9101 VLF0931-T
Q9101 2SD2136-QRTA
Q9102 2SB1073-QRTX
Q9103 2SB1073-QRTX
FL9105 VLF0931-T
IC9105 LM393PS-L
FL9102 VLF0931-T
FL9103 VLF0931-T
FL9104 VLF0931-T
FL9115 VLF0931-T
FL9116 VLF0931-T
FL9106 VLF0931-T
Q9117 2SD1119-QRTX
Q9118 2SD2136-QRTA
FL9107 VLF0931-T
Q9106 2SD1119-QRTX
Q9107 2SD1119-QRTX
IC9104 AN78M09
FL9108 VLF0931-T
FL9109 VLF0931-T
FL9110 VLF0931-T
Q9108 2SD1119-QRTX
Q9109 2SD1119-QRTX
D9114 MA151K-TX
Q9110 2SD1119-QRTX
Q9111 2SD2136-QRTA
FL9111 VLF0931-T
FL9112 VLF0931-T
FL9113 VLF0931-T
Q9112 2SD1119-QRTX
FL9114 VLF0931-T
FL POWER CIRCUIT
IC9101 XC62AP5002PL
Q9113 2SB709A-RSTX
Q9119 2SB709A-RSTX
Q9120 2SB709A-RSTX
IC9103 XC62DN5002PL
Q9115 2SD601A-RSTX
Q9116 2SB709A-RSTX
12V
5.6V
-12V
5V
-5V
3.3V
9V
-5.6V
14V
3V
+12V
3.15V
P_OPT(1301:1305)
P_FRT(911:915)
P_YCO(101:107)
P_AVS(501:616)
P_SERVO_P_SOL(1129:1316)
P_AUD(701:706)
P_YCI(301:339)
P_RF(1826:1830)

※PAT=PATTERN ONLY

Ref No. 9100 Series.

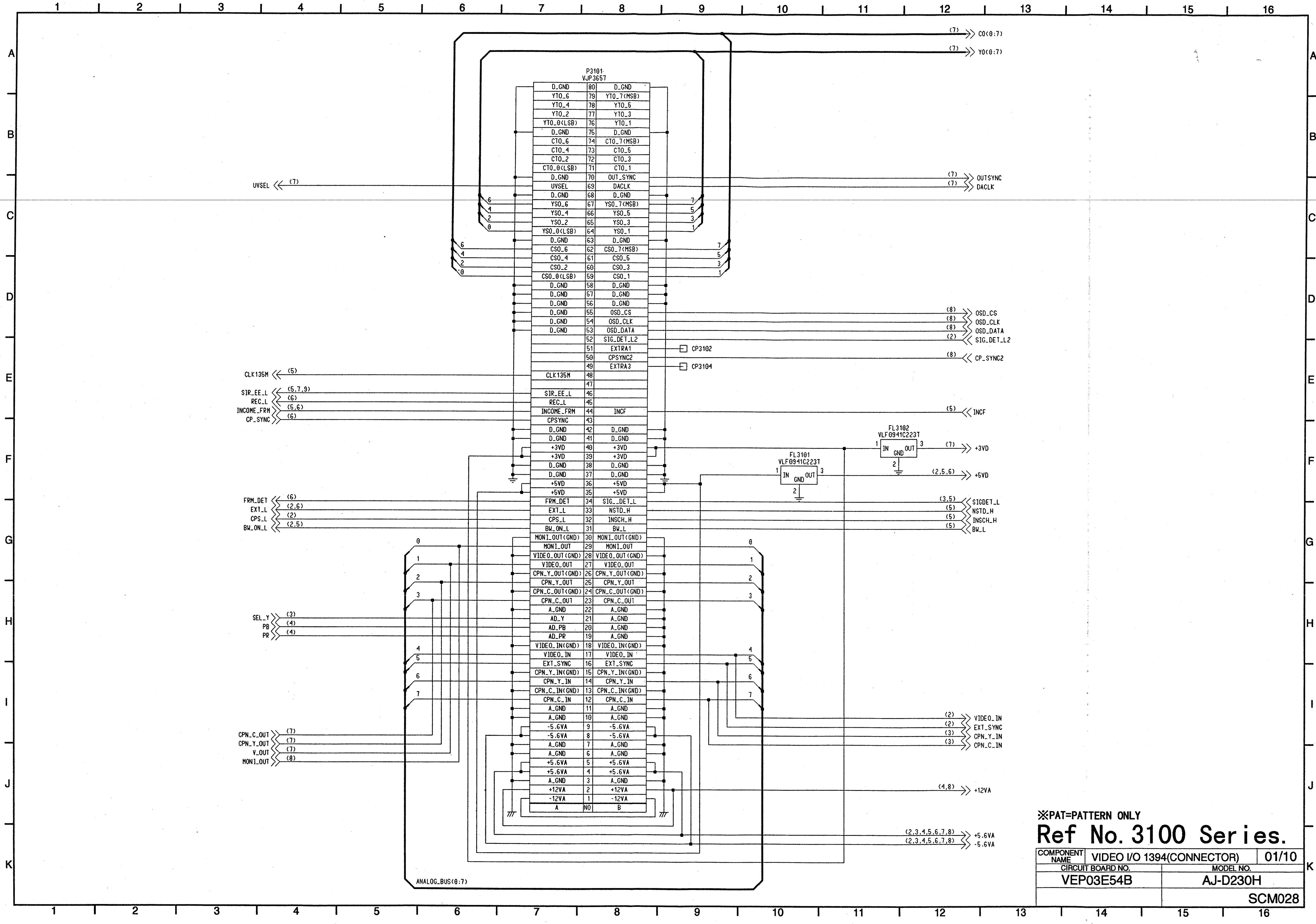
COMPONENT NAME	MOTHER	01/04
CIRCUIT BOARD NO.	MODEL NO.	
VEP00Z78A	AJ-D230H	
	SCM001	


OPTION
P5301
DIGITAL CORE
P5304
TBC
P5305
V.I/O
P5312
AV SYS
P5306
AUDIO
P5307
REAR 1
REAR 2
IC5381
UPC4558G2-T1
D.CORE(157)
P.FRT(911:915)
SERVO1(159:555)
BY1(168:612)
SERVO2(320:400)
SERVO4(332:678)
BY2(578:600)
P.AUD(701:706)
P.AYS(501:616)
P.YCO(101:107)
P.OPT(1301:1305)
P.YC1(301:339)
AUDIO.PHONE.METER(711:720)
AUDIO.VR(777:780)
AUDIO.OUT(707:710)
AUDIO.IN(773:7751)
VIDEO.IN.OUT(3121:3321)
VIDEO(264:4551)
VIDEO.CTL(122:170)
AUDIO.CTL(115:219)
AV.DATA.ADRS(120:633)
DV.BUS(180:214)
RP.SEL(157:259)
BD.VR(266:267)
YTB.12M.CLK
A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

※PAT=PATTERN ONLY

Ref No. 9300 Series.

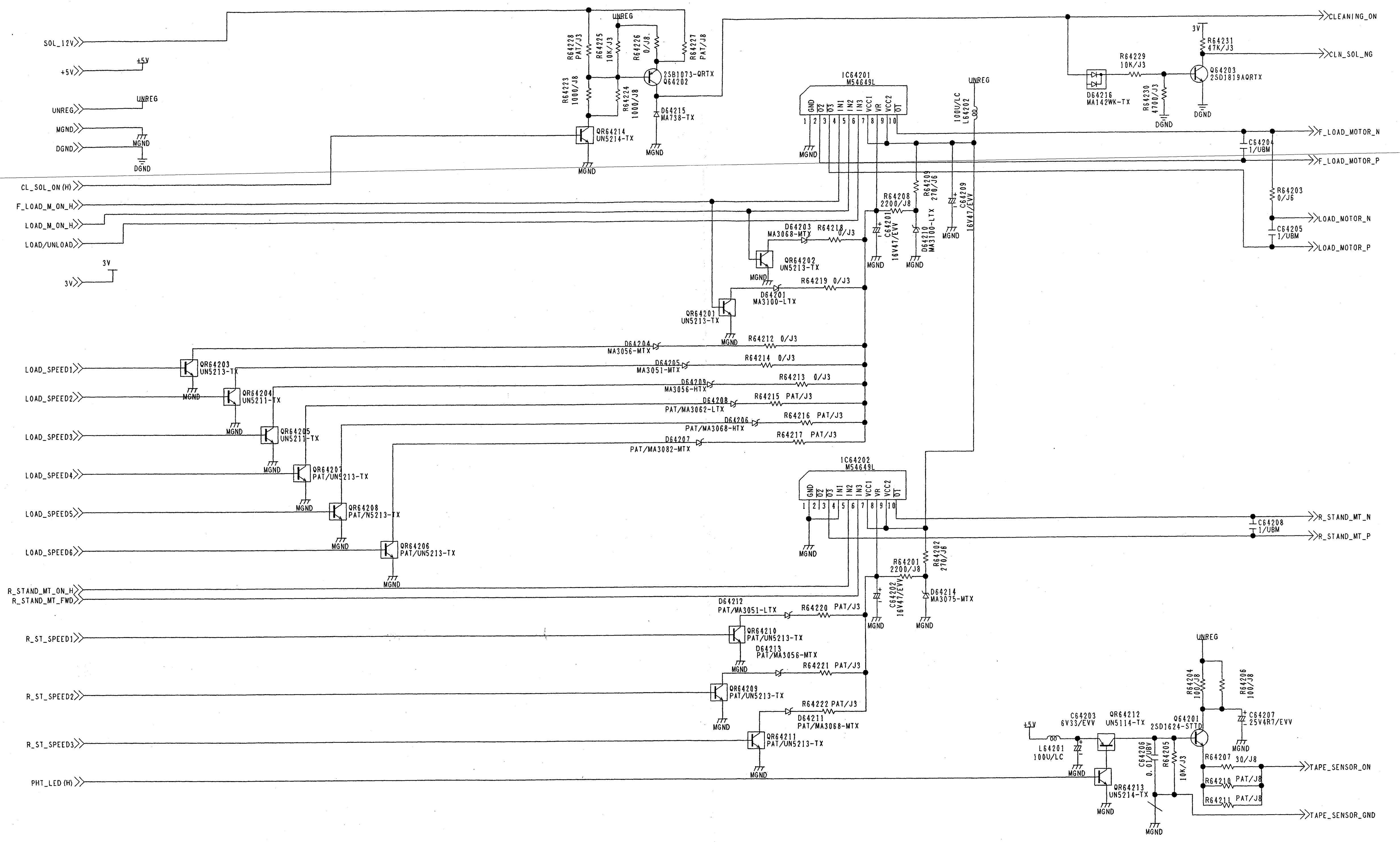
COMPONENT NAME	MOTHER	02/04
CIRCUIT BOARD NO.	MODEL NO.	
VEP00Z78A	AJ-D230H	
	SCM002	


P3101
VJP3657
D_GND 80 D_GND
YTO_6 79 YTO_7(MSB)
YTO_4 78 YTO_5
YTO_2 77 YTO_3
YTO_0(LSB) 76 YTO_1
D_GND 75 D_GND
CTO_6 74 CTO_7(MSB)
CTO_4 73 CTO_5
CTO_2 72 CTO_3
CTO_0(LSB) 71 CTO_1
D_GND 70 OUT_SYNC
UVSEL 69 DACLK
D_GND 68 D_GND
YSO_6 67 YSO_7(MSB)
YSO_4 66 YSO_5
YSO_2 65 YSO_3
YSO_0(LSB) 64 YSO_1
D_GND 63 D_GND
CSO_6 62 CSO_7(MSB)
CSO_4 61 CSO_5
CSO_2 60 CSO_3
CSO_0(LSB) 59 CSO_1
D_GND 58 D_GND
D_GND 57 D_GND
D_GND 56 D_GND
D_GND 55 OSD_CS
D_GND 54 OSD_CLK
D_GND 53 OSD_DATA
52 SIG_DET_L2
51 EXTRA1
50 CPSYNC2
49 EXTRA3
CLK135M 48
47
SIR_EE_L 46
REC_L 45
INCOME_FRM 44 INCF
CPSYNC 43
D_GND 42 D_GND
D_GND 41 D_GND
+3VD 40 +3VD
+3VD 39 +3VD
D_GND 38 D_GND
D_GND 37 D_GND
+5VD 36 +5VD
+5VD 35 +5VD
FRM_DET 34 SIG__DET_L
EXT_L 33 NSTD_H
CPS_L 32 INSCH_H
BW_ON_L 31 BW_L
MONI_OUT(GND) 30 MONI_OUT(GND)
MONI_OUT 29 MONI_OUT
VIDEO_OUT(GND) 28 VIDEO_OUT(GND)
VIDEO_OUT 27 VIDEO_OUT
CPN_Y_OUT(GND) 26 CPN_Y_OUT(GND)
CPN_Y_OUT 25 CPN_Y_OUT
CPN_C_OUT(GND) 24 CPN_C_OUT(GND)
CPN_C_OUT 23 CPN_C_OUT
A_GND 22 A_GND
AD_Y 21 A_GND
AD_PB 20 A_GND
AD_PR 19 A_GND
VIDEO_IN(GND) 18 VIDEO_IN(GND)
VIDEO_IN 17 VIDEO_IN
EXT_SYNC 16 EXT_SYNC
CPN_Y_IN(GND) 15 CPN_Y_IN(GND)
CPN_Y_IN 14 CPN_Y_IN
CPN_C_IN(GND) 13 CPN_C_IN(GND)
CPN_C_IN 12 CPN_C_IN
A_GND 11 A_GND
A_GND 10 A_GND
-5.6VA 9 -5.6VA
-5.6VA 8 -5.6VA
A_GND 7 A_GND
A_GND 6 A_GND
+5.6VA 5 +5.6VA
+5.6VA 4 +5.6VA
A_GND 3 A_GND
+12VA 2 +12VA
-12VA 1 -12VA
A NO B
(7) CO(0:7)
(7) YO(0:7)
UVSEL (7)
(7) OUTSYNC
(7) DACLK
(8) OSD_CS
(8) OSD_CLK
(8) OSD_DATA
(2) SIG_DET_L2
CP3102
(8) CP_SYNC2
CP3104
CLK135M (5)
SIR_EE_L (5,7,9)
REC_L (6)
INCOME_FRM (5,6)
CP_SYNC (6)
(5) INCF
FL3102
VLF0941C223T
IN GND OUT
(7) +3VD
FL3101
VLF0941C223T
IN GND OUT
(2,5,6) +5VD
FRM_DET (6)
EXT_L (2,6)
CPS_L (2)
BW_ON_L (2,5)
(3,5) SIGDET_L
(5) NSTD_H
(5) INSCH_H
(5) BW_L
SEL_Y (3)
PB (4)
PR (4)
(2) VIDEO_IN
(2) EXT_SYNC
(3) CPN_Y_IN
(3) CPN_C_IN
CPN_C_OUT (7)
CPN_Y_OUT (7)
V_OUT (7)
MONI_OUT (8)
(4,8) +12VA
(2,3,4,5,6,7,8) +5.6VA
(2,3,4,5,6,7,8) -5.6VA
ANALOG_BUS(0:7)

※PAT=PATTERN ONLY

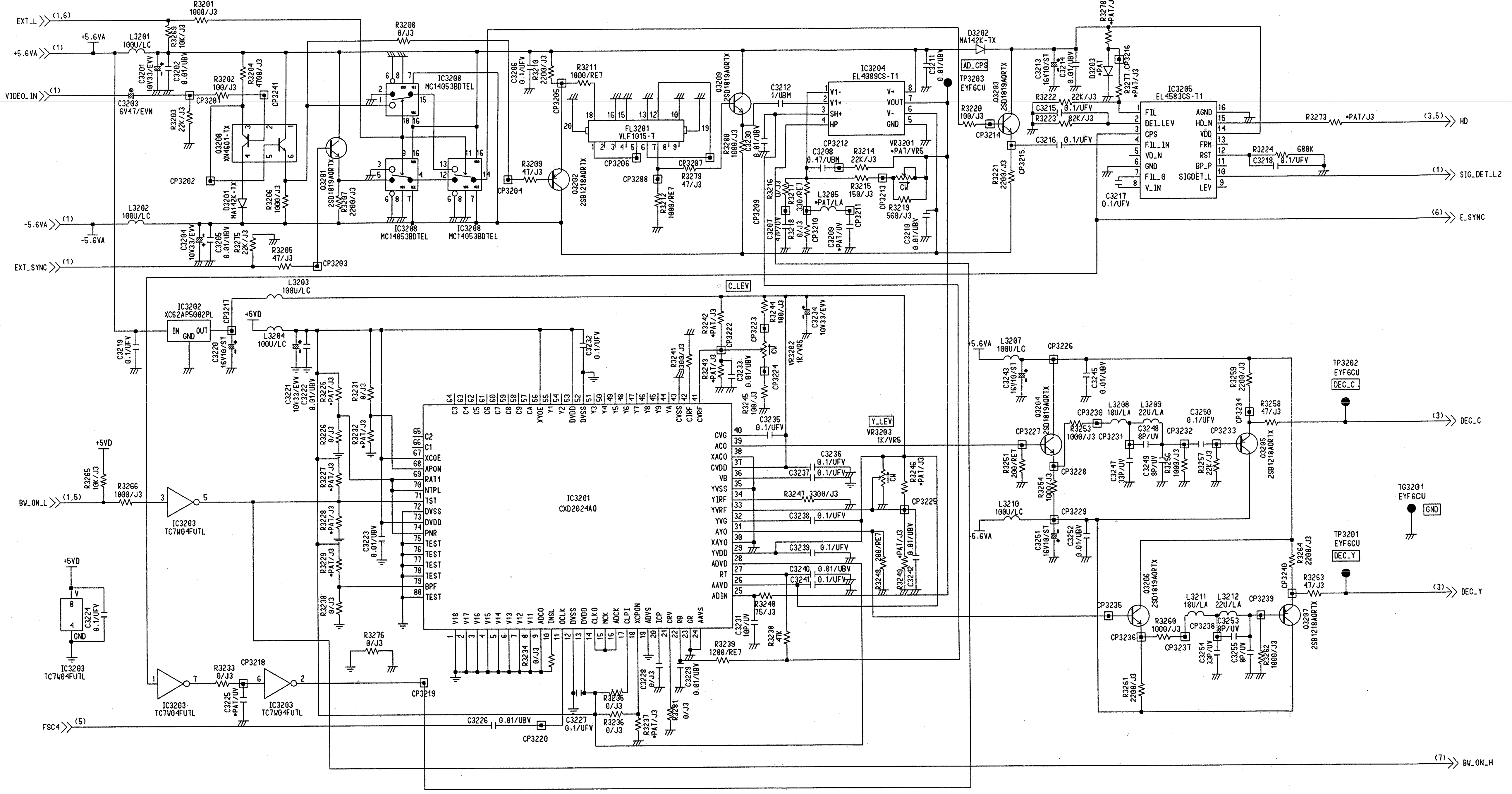
Ref No. 3100 Series.

COMPONENT NAME	VIDEO I/O 1394(CONNECTOR)	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM028	


SOL_12V
+5V
UNREG
MGND
DGND
CL_SOL_ON(H)
F_LOAD_M_ON_H
LOAD_M_ON_H
LOAD/UNLOAD
3V
LOAD_SPEED1
LOAD_SPEED2
LOAD_SPEED3
LOAD_SPEED4
LOAD_SPEED5
LOAD_SPEED6
R_STAND_MT_ON_H
R_STAND_MT_FWD
R_ST_SPEED1
R_ST_SPEED2
R_ST_SPEED3
PHT_LED(H)
R64228 PAT/J3
R64225 10K/J3
R64226 0/J8
R64227 PAT/J8
R64223 1000/J8
R64224 1000/J8
2SB1073-QRTX Q64202
D64215 MA738-TX
QR64214 UN5214-TX
IC64201 M54649L
GND O2 O3 IN1 IN2 IN3 VCC1 VR VCC2 O1
1 2 3 4 5 6 7 8 9 10
100U/LC L64202
R64208 2200/J8
R64209 270/J6
C64201 16V47/EVV
C64209 16V47/EVV
D64210 MA3100-LTX
D64203 MA3068-MTX
R64218 0/J3
QR64202 UN5213-TX
D64201 MA3100-LTX
R64219 0/J3
QR64201 UN5213-TX
D64204 MA3056-MTX
R64212 0/J3
D64205 MA3051-MTX
R64214 0/J3
D64209 MA3056-HTX
R64213 0/J3
D64208 PAT/MA3062-LTX
R64215 PAT/J3
D64206 PAT/MA3068-HTX
R64216 PAT/J3
D64207 PAT/MA3082-MTX
R64217 PAT/J3
QR64203 UN5213-TX
QR64204 UN5211-TX
QR64205 UN5211-TX
QR64207 PAT/UN5213-TX
QR64208 PAT/N5213-TX
QR64206 PAT/UN5213-TX
IC64202 M54649L
R64201 2200/J8
R64202 270/J6
C64202 16V47/EVV
D64214 MA3075-MTX
D64212 PAT/MA3051-LTX
R64220 PAT/J3
QR64210 PAT/UN5213-TX
D64213 PAT/MA3056-MTX
R64221 PAT/J3
QR64209 PAT/UN5213-TX
R64222 PAT/J3
D64211 PAT/MA3068-MTX
QR64211 PAT/UN5213-TX
CLEANING_ON
CLN_SOL_NG
R64231 47K/J3
R64229 10K/J3
Q64203 2SD1819AQRTX
D64216 MA142WK-TX
R64230 4700/J3
F_LOAD_MOTOR_N
F_LOAD_MOTOR_P
C64204 1/UBM
R64203 0/J6
C64205 1/UBM
LOAD_MOTOR_N
LOAD_MOTOR_P
R_STAND_MT_N
R_STAND_MT_P
C64208 1/UBM
R64204 100/J8
R64206 100/J8
C64207 25V4R7/EVV
C64203 6V33/EVV
QR64212 UN5114-TX
Q64201 2SD1624-STTD
L64201 100U/LC
C64206 0.01/UBV
R64205 10K/J3
R64207 30/J8
R64210 PAT/J8
R64211 PAT/J8
QR64213 UN5214-TX
TAPE_SENSOR_ON
TAPE_SENSOR_GND

Ref No. 64200 Series.

COMPONENT NAME	SERVO(LOADING)	13/13
CIRCUIT BOARD NO.	MODEL NO.	
VEP02545C	AJ-D230H	
	SCM027	

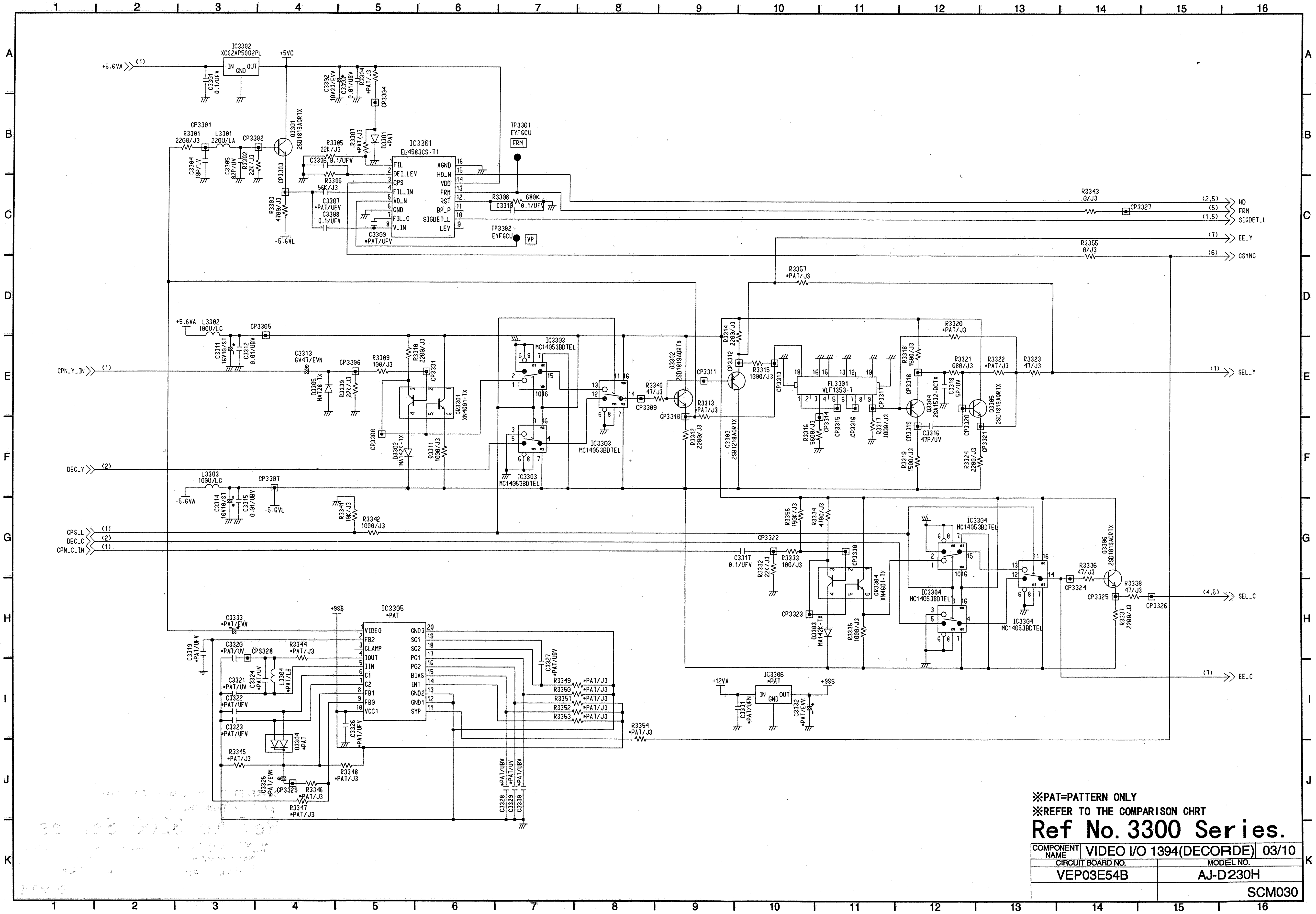

EXT_L (1,6)
+5.6VA (1)
VIDEO_IN (1)
-5.6VA (1)
EXT_SYNC (1)
BW_ON_L (1,5)
FSC4 (5)
IC3208 MC14053BDTEL
FL3201 VLF1015-T
IC3204 EL4089CS-T1
IC3205 EL4583CS-T1
D3202 MA142K-TX
AD_CPS
TP3203 EYF6CU
Q3201 2SD1819AQRTX
Q3202 2SB1218AQRTX
Q3208 XN4601-TX
D3201 MA142K-TX
Q3209 2SD1819AQRTX
Q3203 2SD1819AQRTX
IC3202 XC62AP5002PL
IC3201 CXD2024AQ
IC3203 TC7W04FUTL
C_LEV
Y_LEV
VR3201 *PAT/VR5
VR3202 1K/VR5
VR3203 1K/VR5
Q3204 2SD1819AQRTX
Q3205 2SB1218AQRTX
Q3206 2SD1819AQRTX
Q3207 2SB1218AQRTX
TP3202 EYF6CU
DEC_C
TP3201 EYF6CU
DEC_Y
TG3201 EYF6CU
GND
(3,5) HD
(1) SIG_DET_L2
(6) E_SYNC
(3) DEC_C
(3) DEC_Y
(7) BW_ON_H
+5VD
-5.6VA
+5.6VA

※=REFER TO THE COMPARISON CHART

※PAT=PATTERN ONLY

Ref No. 3200 Series.

COMPONENT NAME	VIDEO I/O 1394(Y C SEP)	02/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM029	

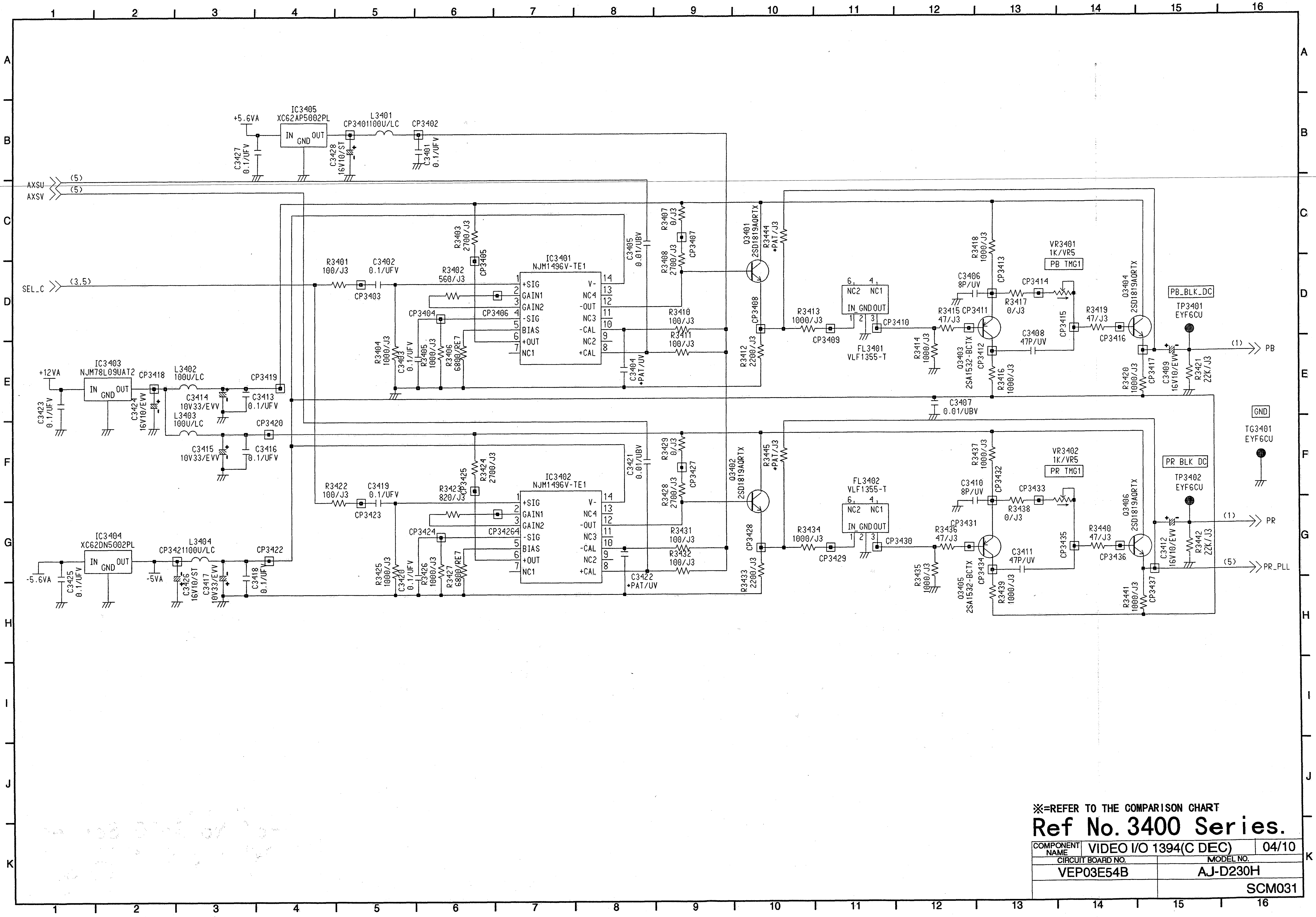

IC3302
XC62AP5002PL
+5.6VA
+5VC
-5.6VL
IC3301
EL4583CS-T1
FIL
DEL_LEV
CPS
FIL_IN
VD_N
GND
FIL_0
V_IN
AGND
HD_N
VDD
FRM
RST
BP_P
SIGDET_L
LEV
Q3301
2SD1819AQRTX
TP3301
EYF6CU
FRM
TP3302
EYF6CU
VP
R3343
0/J3
R3355
0/J3
CP3327
HD
FRM
SIGDET_L
EE_Y
CSYNC
R3357
*PAT/J3
CPN_Y_IN
DEC_Y
CPS_L
DEC_C
CPN_C_IN
L3302
100U/LC
L3303
100U/LC
IC3303
MC14053BDTEL
QR3301
XN4601-TX
D3302
MA142K-TX
D3305
MA728-TX
Q3302
2SD1819AQRTX
Q3303
2SB1218AQRTX
FL3301
VLF1353-T
Q3304
2SA1532-BCTX
Q3305
2SD1819AQRTX
R3320
*PAT/J3
SEL_Y
IC3304
MC14053BDTEL
QR3304
XN4601-TX
D3303
MA142K-TX
Q3306
2SD1819AQRTX
SEL_C
EE_C
IC3305
*PAT
VIDEO
FB2
CLAMP
IOUT
IIN
C1
C2
FB1
FB0
VCC1
GND3
SG1
SG2
PG1
PG2
BIAS
INT
GND2
GND1
SYP
+9SS
IC3306
*PAT
+12VA
+9SS
D3304
*PAT
L3304
*PAT/LB
R3354
*PAT/J3

※PAT=PATTERN ONLY

※REFER TO THE COMPARISON CHRT

Ref No. 3300 Series.

COMPONENT NAME	VIDEO I/O 1394(DECORDE)	03/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM030	

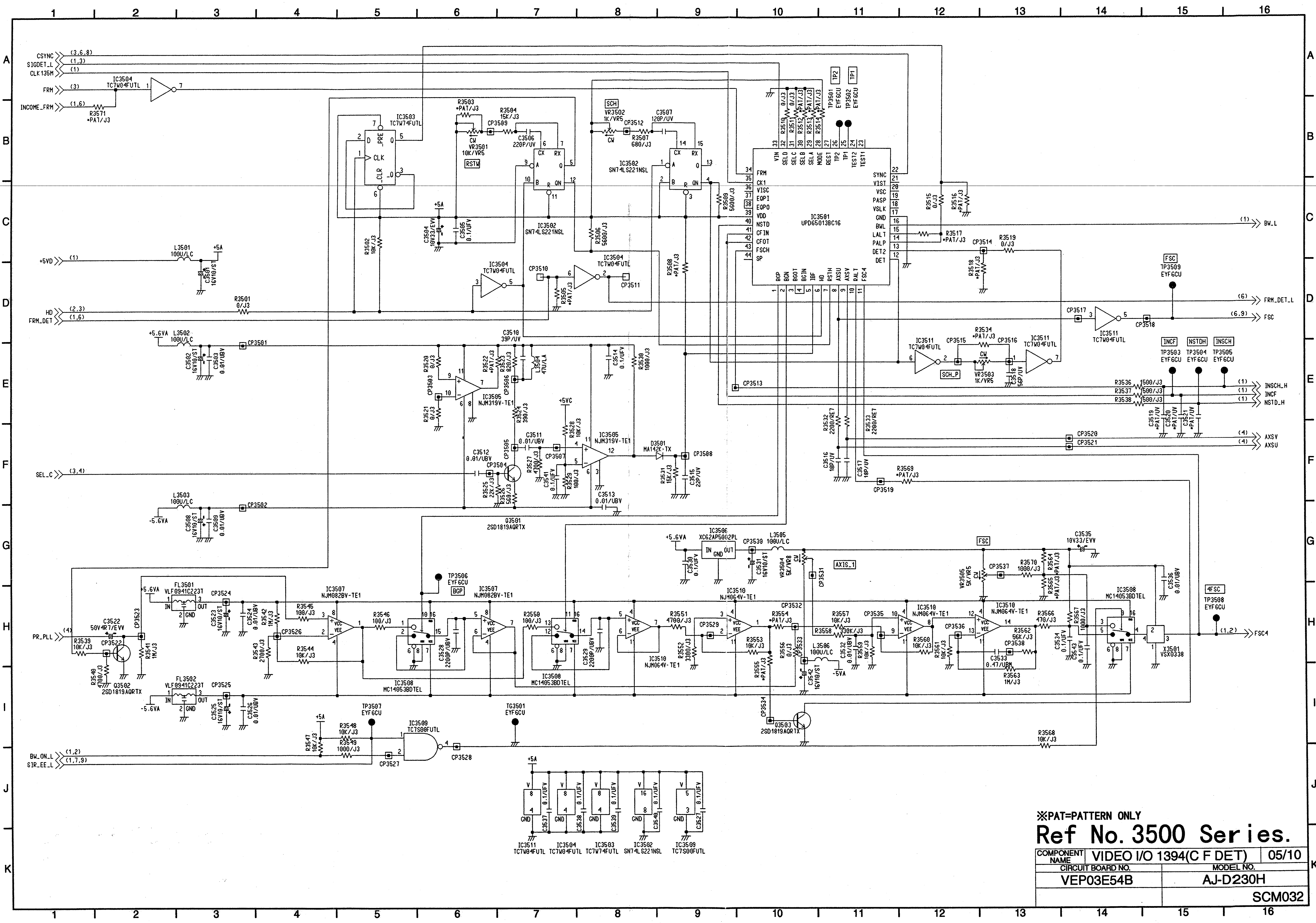


IC3405
XC62AP5002PL
+5.6VA
CP3401
L3401
100U/LC
CP3402
C3427
0.1/UFV
C3428
16V10/ST
C3401
0.1/UFV
AXSU
AXSV
(5)
(5)
SEL_C
(3,5)
R3401
100/J3
C3402
0.1/UFV
CP3403
R3402
560/J3
R3403
2700/J3
CP3405
IC3401
NJM1496V-TE1
+SIG
GAIN1
GAIN2
-SIG
BIAS
+OUT
NC1
V-
NC4
-OUT
NC3
-CAL
NC2
+CAL
CP3404
CP3406
R3404
1000/J3
C3403
0.1/UFV
R3405
1000/J3
R3406
680/RE7
C3405
0.01/UBV
C3404
+PAT/UV
R3407
0/J3
CP3407
R3408
2700/J3
R3410
100/J3
R3411
100/J3
Q3401
2SD1819AQRTX
R3444
+PAT/J3
CP3408
R3412
2200/J3
R3413
1000/J3
CP3409
FL3401
VLF1355-T
NC2
NC1
IN GND OUT
CP3410
R3414
1000/J3
R3415
47/J3
CP3411
C3406
8P/UV
CP3413
R3418
1000/J3
Q3403
2SA1532-BCTX
CP3412
R3416
1000/J3
R3417
0/J3
CP3414
VR3401
1K/VR5
PB TMG1
C3408
47P/UV
CP3415
R3419
47/J3
CP3416
Q3404
2SD1819AQRTX
CP3417
R3420
1000/J3
C3409
16V10/EVV
R3421
22K/J3
PB_BLK_DC
TP3401
EYF6CU
(1)
PB
IC3403
NJM78L09UAT2
+12VA
C3423
0.1/UFV
CP3418
C3424
16V10/EVV
L3402
100U/LC
C3414
10V33/EVV
L3403
100U/LC
C3415
10V33/EVV
CP3419
C3413
0.1/UFV
CP3420
C3416
0.1/UFV
C3407
0.01/UBV
GND
TG3401
EYF6CU
R3422
100/J3
C3419
0.1/UFV
CP3423
R3423
820/J3
CP3425
R3424
2700/J3
IC3402
NJM1496V-TE1
CP3424
CP3426
R3425
1000/J3
C3420
0.1/UFV
R3426
1000/J3
R3427
680/RE7
C3421
0.01/UBV
C3422
+PAT/UV
R3429
0/J3
CP3427
R3428
2700/J3
R3431
100/J3
R3432
100/J3
Q3402
2SD1819AQRTX
R3445
+PAT/J3
CP3428
R3433
2200/J3
R3434
1000/J3
CP3429
FL3402
VLF1355-T
CP3430
R3435
1000/J3
R3436
47/J3
CP3431
C3410
8P/UV
CP3432
R3437
1000/J3
Q3405
2SA1532-BCTX
CP3434
R3439
1000/J3
R3438
0/J3
CP3433
VR3402
1K/VR5
PR TMG1
C3411
47P/UV
CP3435
R3440
47/J3
CP3436
Q3406
2SD1819AQRTX
CP3437
R3441
1000/J3
C3412
16V10/EVV
R3442
22K/J3
PR BLK DC
TP3402
EYF6CU
(1)
PR
(5)
PR_PLL
IC3404
XC62DN5002PL
-5.6VA
C3425
0.1/UFV
CP3421
L3404
100U/LC
-5VA
C3426
16V10/ST
C3417
10V33/EVV
CP3422
C3418
0.1/UFV

※=REFER TO THE COMPARISON CHART

Ref No. 3400 Series.

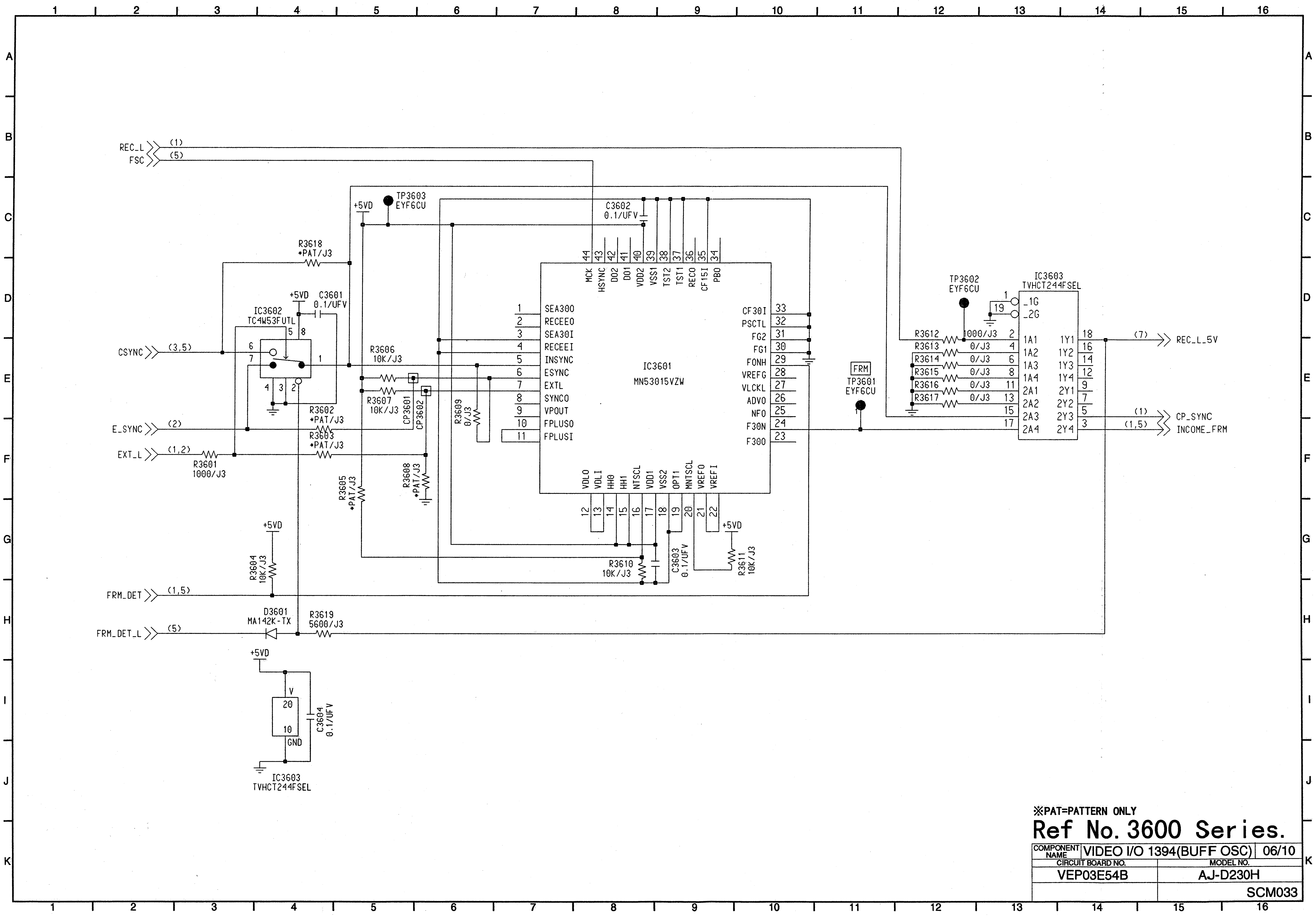
COMPONENT NAME	VIDEO I/O 1394(C DEC)	04/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
		SCM031


CSYNC
SIGDET_L
CLK135M
FRM
INCOME_FRM
+5VD
HD
FRM_DET
SEL_C
PR_PLL
BW_ON_L
SIR_EE_L
BW_L
FRM_DET_L
FSC
INSCH_H
INCF
NSTD_H
AXSV
AXSU
FSC4
IC3501
UPD65013BC16
IC3502
SN74LS221NSL
IC3503
TC7W74FUTL
IC3504
TC7W04FUTL
IC3505
NJM319V-TE1
IC3506
XC62AP5002PL
IC3507
NJM082BV-TE1
IC3508
MC14053BDTEL
IC3509
TC7S08FUTL
IC3510
NJM064V-TE1
IC3511
TC7W04FUTL
Q3501
2SD1819AQRTX
Q3502
2SD1819AQRTX
Q3503
2SD1819AQRTX
D3501
MA142K-TX
X3501
VSX0338
FL3501
VLF0941C223T
FL3502
VLF0941C223T
L3501
100U/LC
L3502
100U/LC
L3503
100U/LC
L3505
100U/LC
L3506
100U/LC
VR3501
10K/VR5
VR3502
1K/VR5
VR3503
1K/VR5
VR3504
5K/VR8
VR3505
5K/VR5
TP3501
TP3502
TP3503
TP3504
TP3505
TP3506
TP3507
TP3508
TP3509
EYF6CU
RSTW
SCH
SCH_P
TP1
TP2
INCF
NSTDH
INSCH
FSC
4FSC
AXIS_1
BGP
+5A
+5VC
+5.6VA
-5.6VA
-5VA

※PAT=PATTERN ONLY

Ref No. 3500 Series.

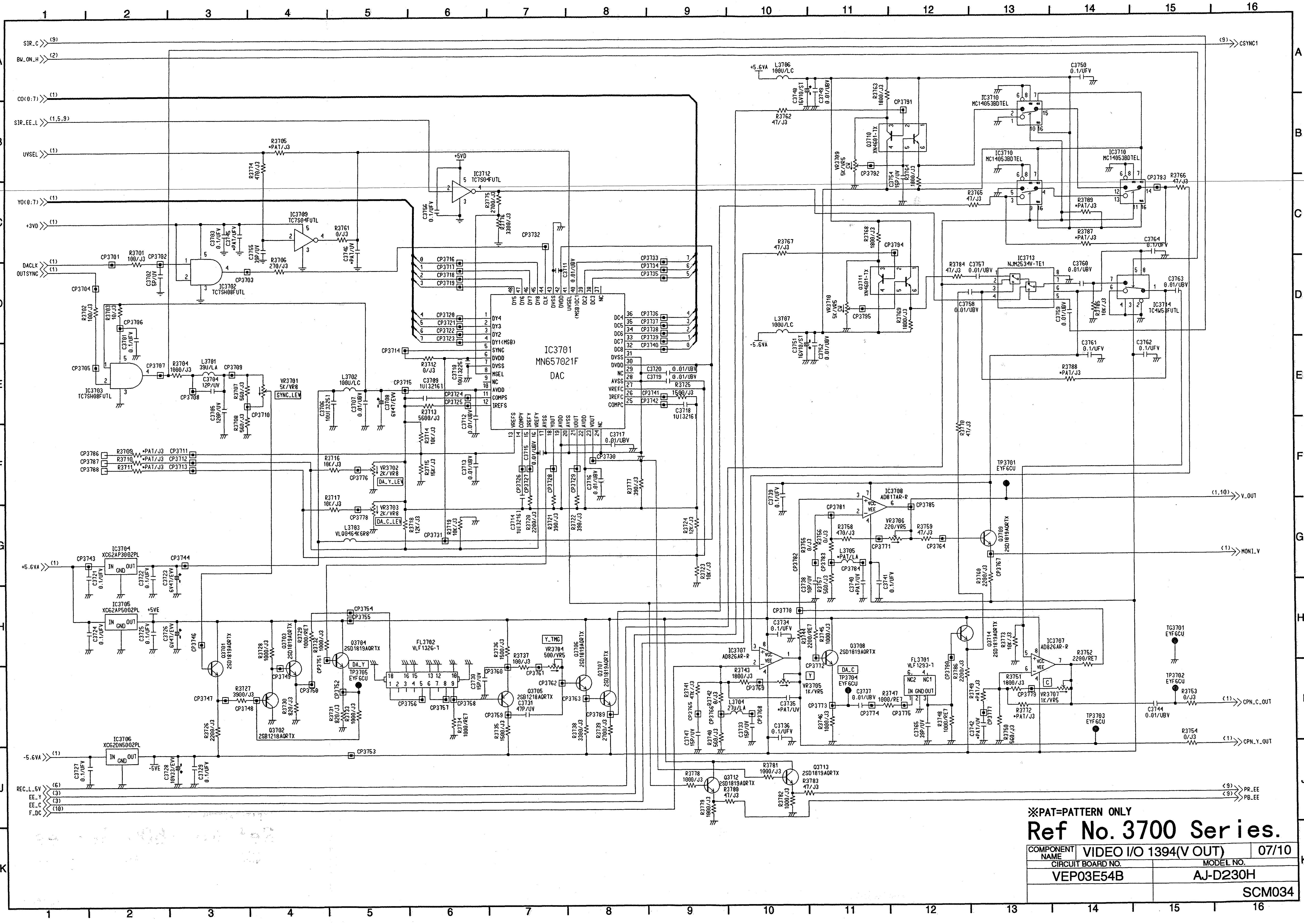
COMPONENT NAME VIDEO I/O 1394(C F DET) 05/10
CIRCUIT BOARD NO. VEP03E54B
MODEL NO. AJ-D230H
SCM032


REC_L
FSC
(1)
(5)
CSYNC
(3,5)
E_SYNC
(2)
EXT_L
(1,2)
R3601
1000/J3
FRM_DET
(1,5)
FRM_DET_L
(5)
D3601
MA142K-TX
R3619
5600/J3
R3618
*PAT/J3
+5VD
C3601
0.1/UFV
IC3602
TC4W53FUTL
R3602
*PAT/J3
R3603
*PAT/J3
R3604
10K/J3
R3605
*PAT/J3
R3606
10K/J3
R3607
10K/J3
CP3601
CP3602
R3608
*PAT/J3
R3609
0/J3
TP3603
EYF6CU
C3602
0.1/UFV
IC3601
MN53015VZW
MCK
HSYNC
DO2
DO1
VDD2
VSS1
TST2
TST1
RECO
CF15I
PBO
SEA30O
RECEEO
SEA30I
RECEEI
INSYNC
ESYNC
EXTL
SYNCO
VPOUT
FPLUSO
FPLUSI
CF30I
PSCTL
FG2
FG1
FONH
VREFG
VLCKL
ADVO
NFO
F30N
F30O
VDLO
VDLI
HHO
HH1
NTSCL
VDD1
VSS2
OPT1
MNTSCL
VREFO
VREFI
R3610
10K/J3
C3603
0.1/UFV
R3611
10K/J3
FRM
TP3601
EYF6CU
TP3602
EYF6CU
IC3603
TVHCT244FSEL
_1G
_2G
R3612
1000/J3
R3613
0/J3
R3614
0/J3
R3615
0/J3
R3616
0/J3
R3617
0/J3
1A1
1A2
1A3
1A4
2A1
2A2
2A3
2A4
1Y1
1Y2
1Y3
1Y4
2Y1
2Y2
2Y3
2Y4
(7)
REC_L_5V
CP_SYNC
(1,5)
INCOME_FRM
V
GND
C3604
0.1/UFV
IC3603
TVHCT244FSEL

※PAT=PATTERN ONLY

Ref No. 3600 Series.

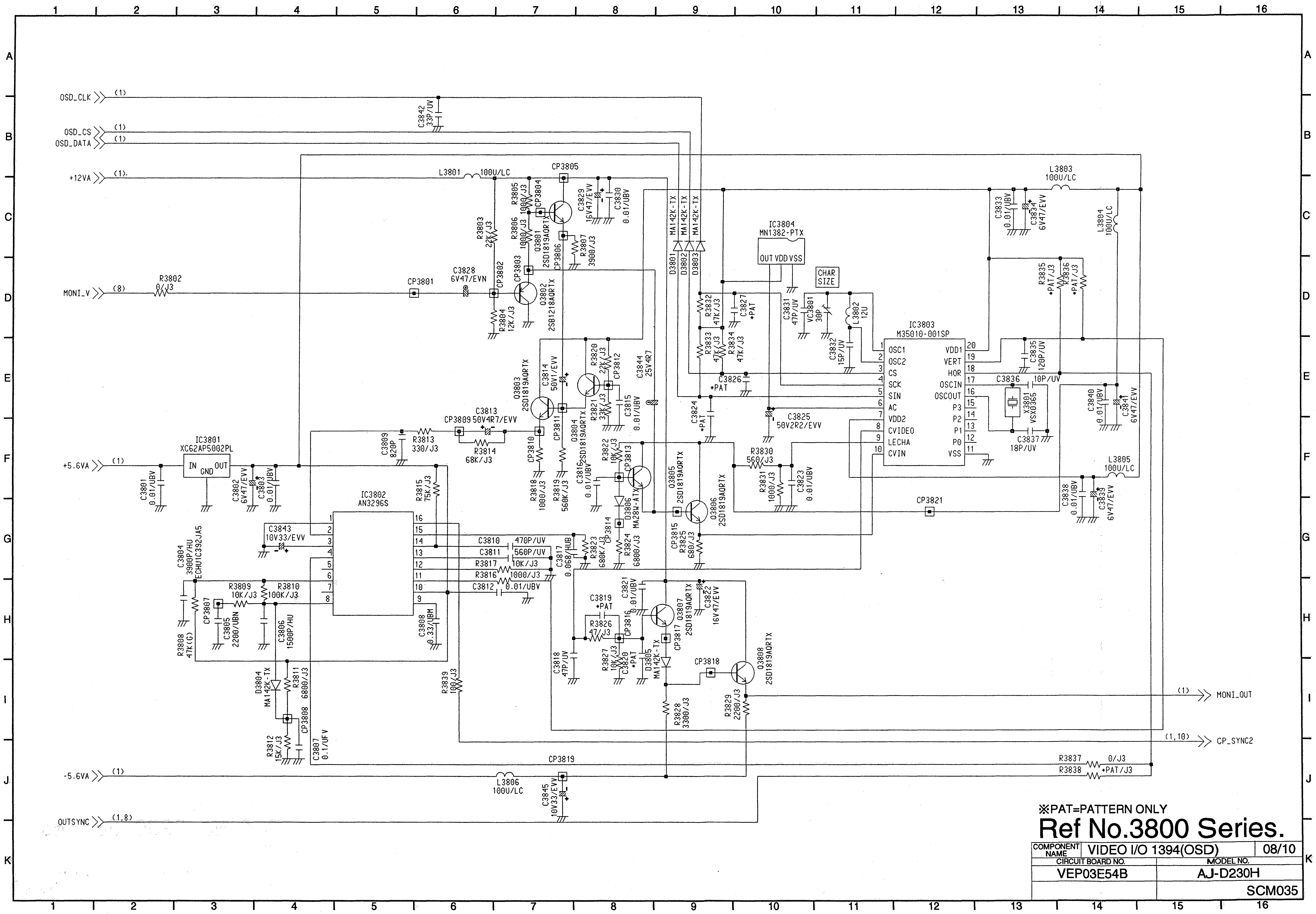
COMPONENT NAME	VIDEO I/O 1394(BUFF OSC)	06/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM033	


SIR_C
BW_ON_H
CO(0:7)
SIR_EE_L
UVSEL
YO(0:7)
+3VD
DACLK
OUTSYNC
+5.6VA
-5.6VA
REC_L_5V
EE_Y
EE_C
F_DC
CSYNC1
V_OUT
MONI_V
CPN_C_OUT
CPN_Y_OUT
PR_EE
PB_EE
IC3701
MN657021F
DAC
IC3702
TC7SH08FUTL
IC3703
TC7SH08FUTL
IC3709
TC7S04FUTL
IC3712
TC7S04FUTL
IC3704
XC62AP3002PL
IC3705
XC62AP5002PL
IC3706
XC62DN5002PL
IC3707
AD826AR-R
IC3708
AD817AR-R
IC3710
MC14053BDTEL
IC3713
NJM2534V-TE1
IC3714
TC4W53FUTL
FL3701
VLF1293-1
FL3702
VLF1326-1
VR3701
SYNC_LEV
VR3702
DA_Y_LEV
VR3703
DA_C_LEV
VR3704
Y_TMG
VR3705
VR3706
VR3707
VR3709
VR3710
DA_Y
DA_C
TP3701
TP3702
TP3703
TP3704
TP3705
TG3701
EYF6CU
+5VD
+5VE
-5VE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

※PAT=PATTERN ONLY

Ref No. 3700 Series.

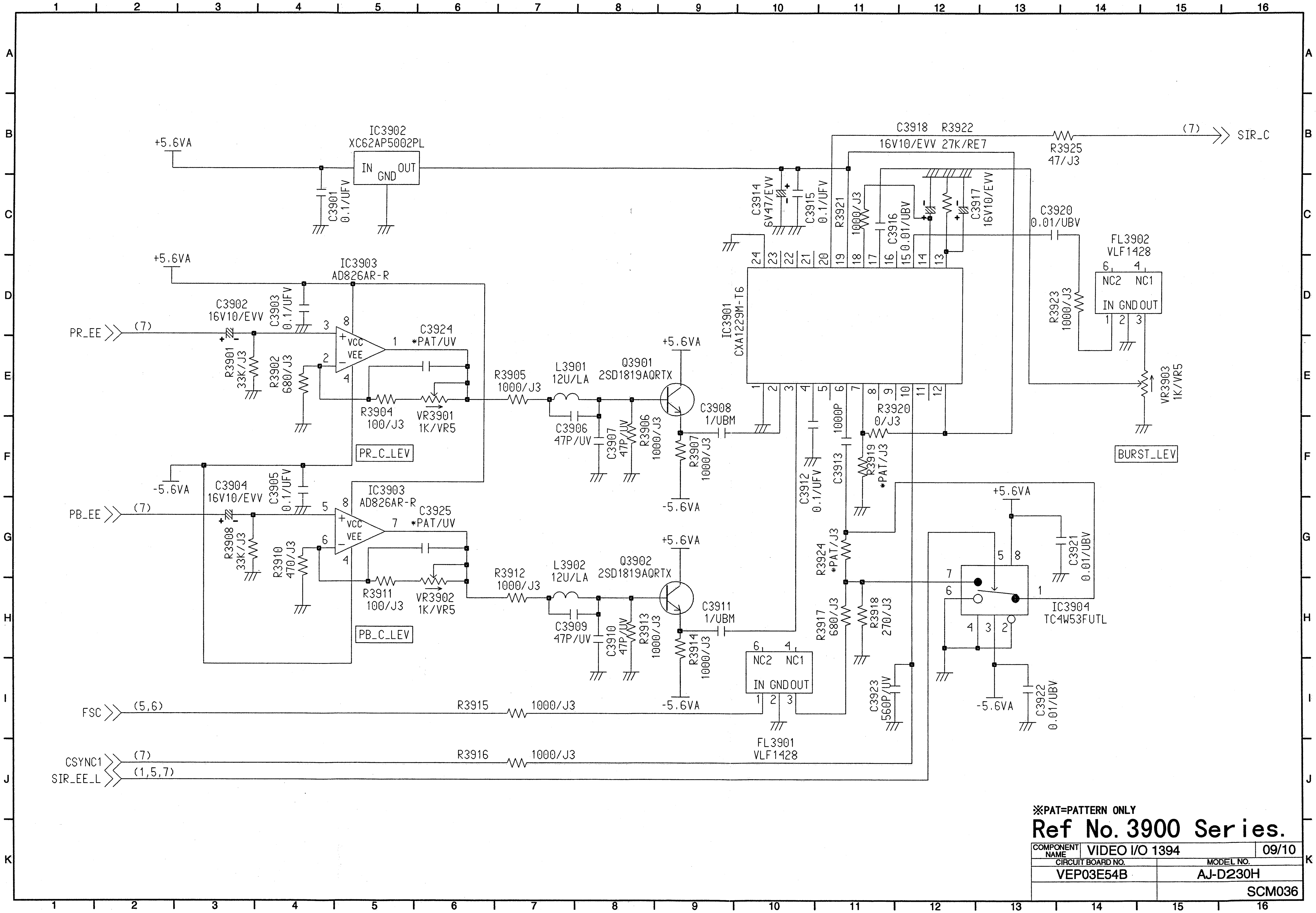
COMPONENT NAME	VIDEO I/O 1394(V OUT)	07/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM034	


OSD_CLK
OSD_CS
OSD_DATA
+12VA
MONI_V
+5.6VA
-5.6VA
OUTSYNC
MONI_OUT
CP_SYNC2
C3842 33P/UV
L3801 100U/LC
CP3805
CP3804
R3805 1000/J3
R3806 1000/J3
R3803 22K/J3
Q3801 2SD1819AQRTX
CP3806
R3807 3900/J3
C3829 16V47/EVV
C3830 0.01/UBV
R3802 0/J3
CP3801
C3828 6V47/EVN
CP3802
CP3803
Q3802 2SB1218AQRTX
R3804 12K/J3
Q3803 2SD1819AQRTX
C3814 50V1/EVV
Q3804 2SD1819AQRTX
R3820 22K/J3
CP3812
R3821 33K/J3
C3815 0.01/UBV
C3844 25V4R7
CP3811
CP3809
C3813 50V4R7/EVV
C3809 820P
R3813 330/J3
R3814 68K/J3
CP3810
R3818 1000/J3
R3819 560K/J3
C3816 0.01/UBV
R3822 10K/J3
CP3813
Q3805 2SD1819AQRTX
D3806 MA28W-ATX
CP3814
R3824 6800/J3
R3823 680K/J3
C3817 0.068/HUB
IC3801 XC62AP5002PL
IN OUT GND
C3801 0.01/UBV
C3802 6V47/EVV
C3803 0.01/UBV
IC3802 AN3296S
R3815 75K/J3
C3843 10V33/EVV
C3804 3900P/HU ECHU1C392JA5
R3809 10K/J3
R3810 100K/J3
CP3807
C3805 2200/UBN
C3806 1500P/HU
R3808 47K(G)
C3810 470P/UV
C3811 560P/UV
R3817 10K/J3
R3816 1000/J3
C3812 0.01/UBV
C3808 0.33/UBM
D3804 MA142K-TX
R3811 6800/J3
CP3808
R3812 15K/J3
C3807 0.1/UFV
R3839 100/J3
D3801 D3802 D3803 MA142K-TX
IC3804 MN1382-PTX
OUT VDD VSS
CHAR SIZE
R3832 47K/J3
C3827 *PAT
R3833 47K/J3
R3834 47K/J3
C3826 *PAT
C3824 *PAT
C3831 47P/UV
VC3801 30P
L3802 12U
C3832 15P/UV
C3825 50V2R2/EVV
R3830 560/J3
R3831 1000/J3
C3823 0.01/UBV
CP3815
R3825 680/J3
Q3806 2SD1819AQRTX
CP3821
IC3803 M35010-001SP
OSC1 OSC2 CS SCK SIN AC VDD2 CVIDEO LECHA CVIN
VDD1 VERT HOR OSCIN OSCOUT P3 P2 P1 P0 VSS
L3803 100U/LC
C3833 0.01/UBV
C3834 6V47/EVV
L3804 100U/LC
R3835 *PAT/J3
R3836 *PAT/J3
C3835 120P/UV
C3836 10P/UV
X3801 VSX0365
C3837 18P/UV
C3840 0.01/UBV
C3841 6V47/EVV
L3805 100U/LC
C3838 0.01/UBV
C3839 6V47/EVV
C3819 *PAT
C3821 0.01/UBV
R3826 47/J3
CP3816
Q3807 2SD1819AQRTX
C3822 16V47/EVV
C3818 47P/UV
R3827 10K/J3
C3820 *PAT
D3805 MA142K-TX
CP3817
CP3818
Q3808 2SD1819AQRTX
R3828 3300/J3
R3829 2200/J3
CP3819
L3806 100U/LC
C3845 10V33/EVV
R3837 0/J3
R3838 *PAT/J3
(1)
(8)
(1,10)
(1,8)

※PAT=PATTERN ONLY

Ref No.3800 Series.

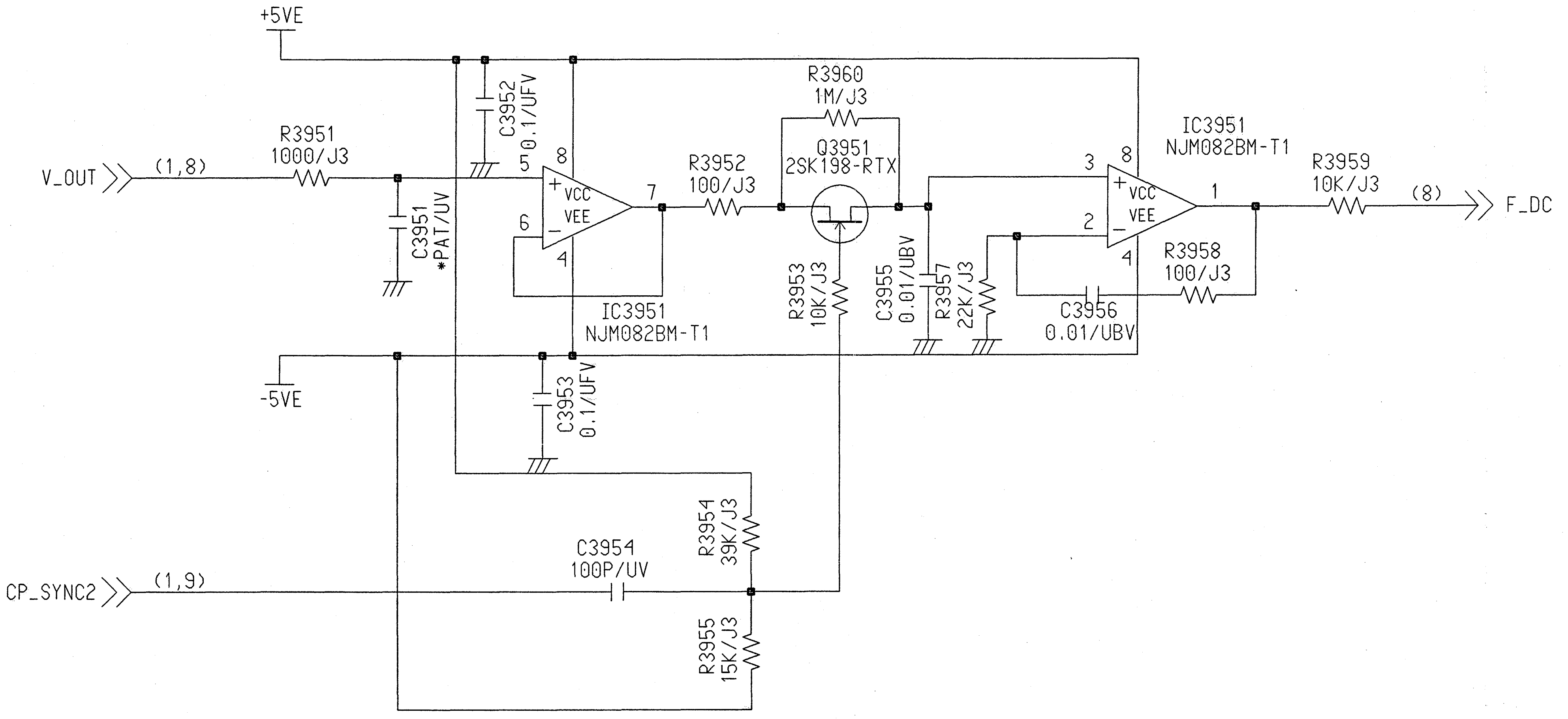
COMPONENT NAME	VIDEO I/O 1394(OSD)	08/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM035	


+5.6VA
IC3902
XC62AP5002PL
IN GND OUT
C3901
0.1/UFV
C3918 R3922
16V10/EVV 27K/RE7
R3925
47/J3
(7)
SIR_C
C3914
6V47/EVV
C3915
0.1/UFV
R3921
1000/J3
C3916
0.01/UBV
C3917
16V10/EVV
C3920
0.01/UBV
FL3902
VLF1428
NC2 NC1
IN GND OUT
R3923
1000/J3
VR3903
1K/VR5
BURST_LEV
IC3901
CXA1229M-T6
IC3903
AD826AR-R
C3902
16V10/EVV
C3903
0.1/UFV
PR_EE
R3901
33K/J3
R3902
680/J3
VCC
VEE
C3924
*PAT/UV
R3904
100/J3
VR3901
1K/VR5
PR_C_LEV
R3905
1000/J3
L3901
12U/LA
Q3901
2SD1819AQRTX
C3906
47P/UV
C3907
47P/UV
R3906
1000/J3
R3907
1000/J3
C3908
1/UBM
-5.6VA
1000P
R3920
0/J3
C3912
0.1/UFV
C3913
R3919
*PAT/J3
C3904
16V10/EVV
C3905
0.1/UFV
PB_EE
R3908
33K/J3
R3910
470/J3
C3925
*PAT/UV
R3911
100/J3
VR3902
1K/VR5
PB_C_LEV
R3912
1000/J3
L3902
12U/LA
Q3902
2SD1819AQRTX
C3909
47P/UV
C3910
47P/UV
R3913
1000/J3
R3914
1000/J3
C3911
1/UBM
R3924
*PAT/J3
R3917
680/J3
R3918
270/J3
C3921
0.01/UBV
IC3904
TC4W53FUTL
C3922
0.01/UBV
C3923
560P/UV
FL3901
VLF1428
FSC
(5,6)
R3915
1000/J3
CSYNC1
R3916
1000/J3
SIR_EE_L
(1,5,7)

※PAT=PATTERN ONLY

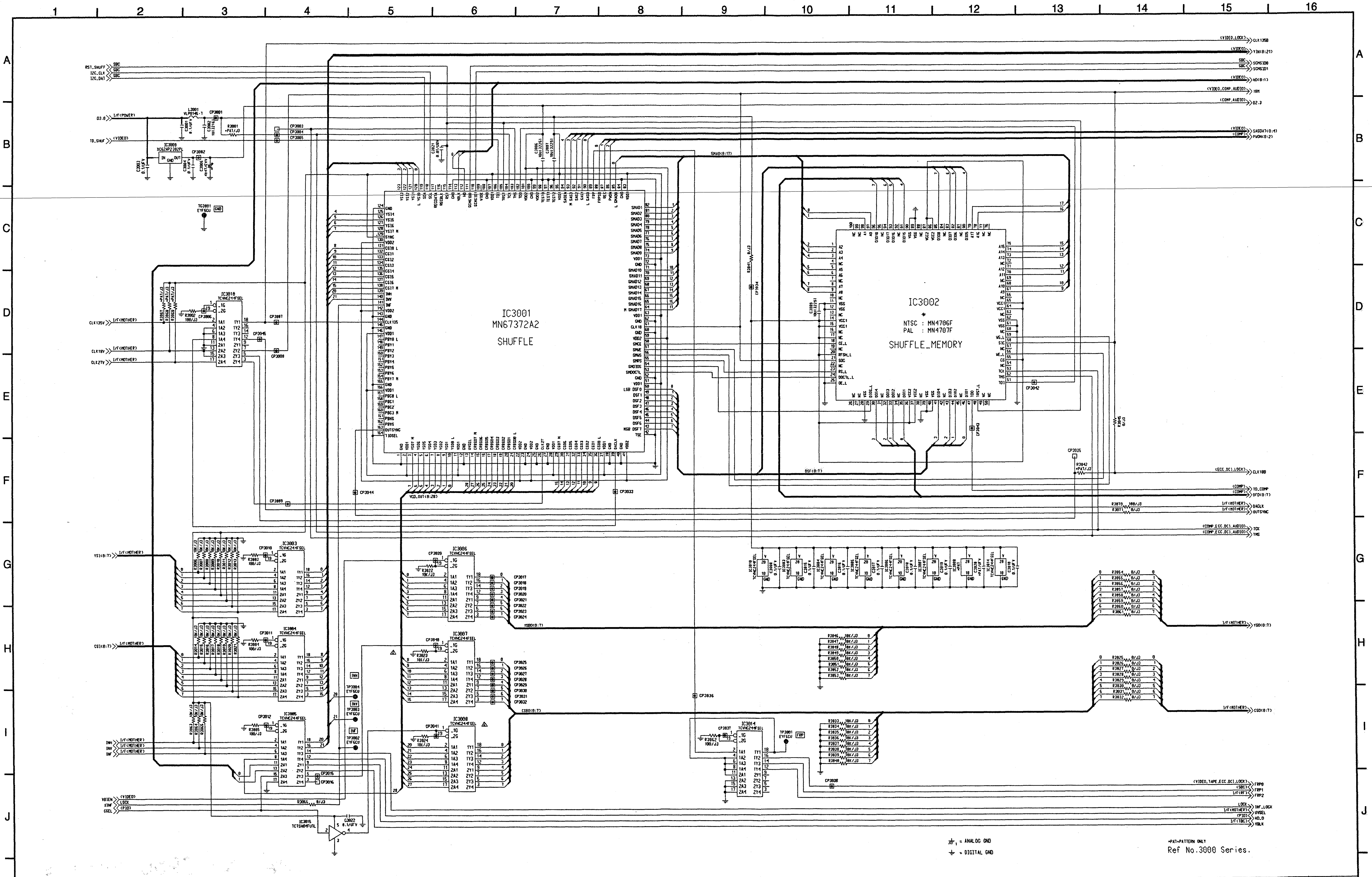
Ref No. 3900 Series.

COMPONENT NAME	VIDEO I/O 1394	09/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM036	


+5VE
V_OUT
(1,8)
R3951
1000/J3
C3951
*PAT/UV
C3952
0.1/UFV
5
8
6
4
7
VCC
VEE
IC3951
NJM082BM-T1
R3952
100/J3
R3960
1M/J3
Q3951
2SK198-RTX
R3953
10K/J3
C3955
0.01/UBV
R3957
22K/J3
3
8
2
4
1
VCC
VEE
IC3951
NJM082BM-T1
C3956
0.01/UBV
R3958
100/J3
R3959
10K/J3
(8)
F_DC
-5VE
C3953
0.1/UFV
R3954
39K/J3
C3954
100P/UV
CP_SYNC2
(1,9)
R3955
15K/J3

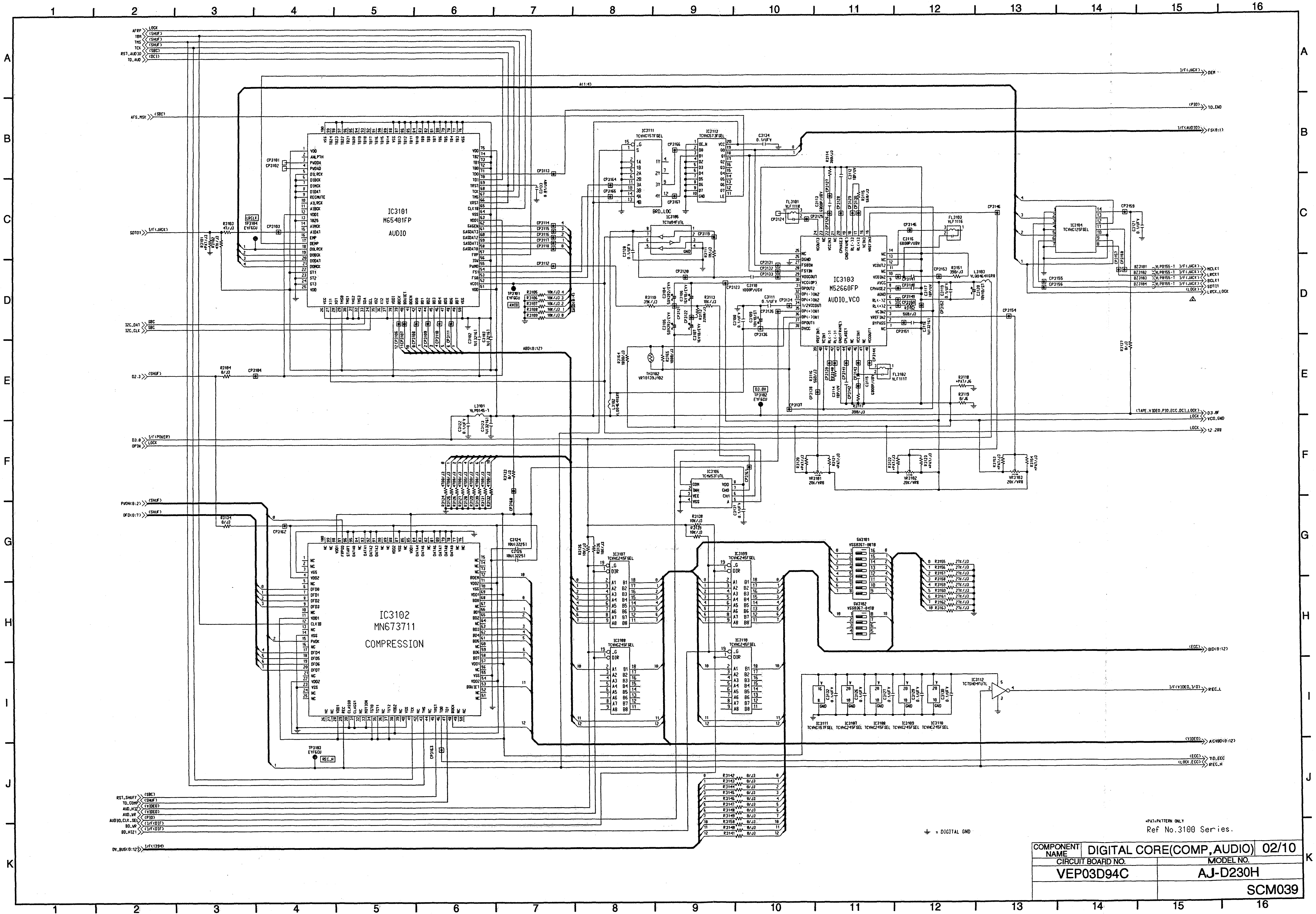
Ref No. 3950 Series.

COMPONENT NAME	VIDEO I/O 1394(FCLP)	10/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03E54B	AJ-D230H	
	SCM037	


IC3001
MN67372A2
SHUFFLE
IC3002
NTSC : MN4706F
PAL : MN4707F
SHUFFLE_MEMORY
IC3003
IC3004
IC3005
IC3006
IC3007
IC3008
IC3010
IC3014
IC3015
TC74VHC244FSEL
D3.0
TD_SHUF
CLK135V
CLK18V
CLK27V
YS1(0:7)
CS1(0:7)
SMAD(0:17)
DSF(0:7)
YCD_OUT(0:20)
YSDO(0:7)
CSDO(0:7)
= ANALOG GND
= DIGITAL GND
*PAT=PATTERN ONLY

Ref No.3000 Series.

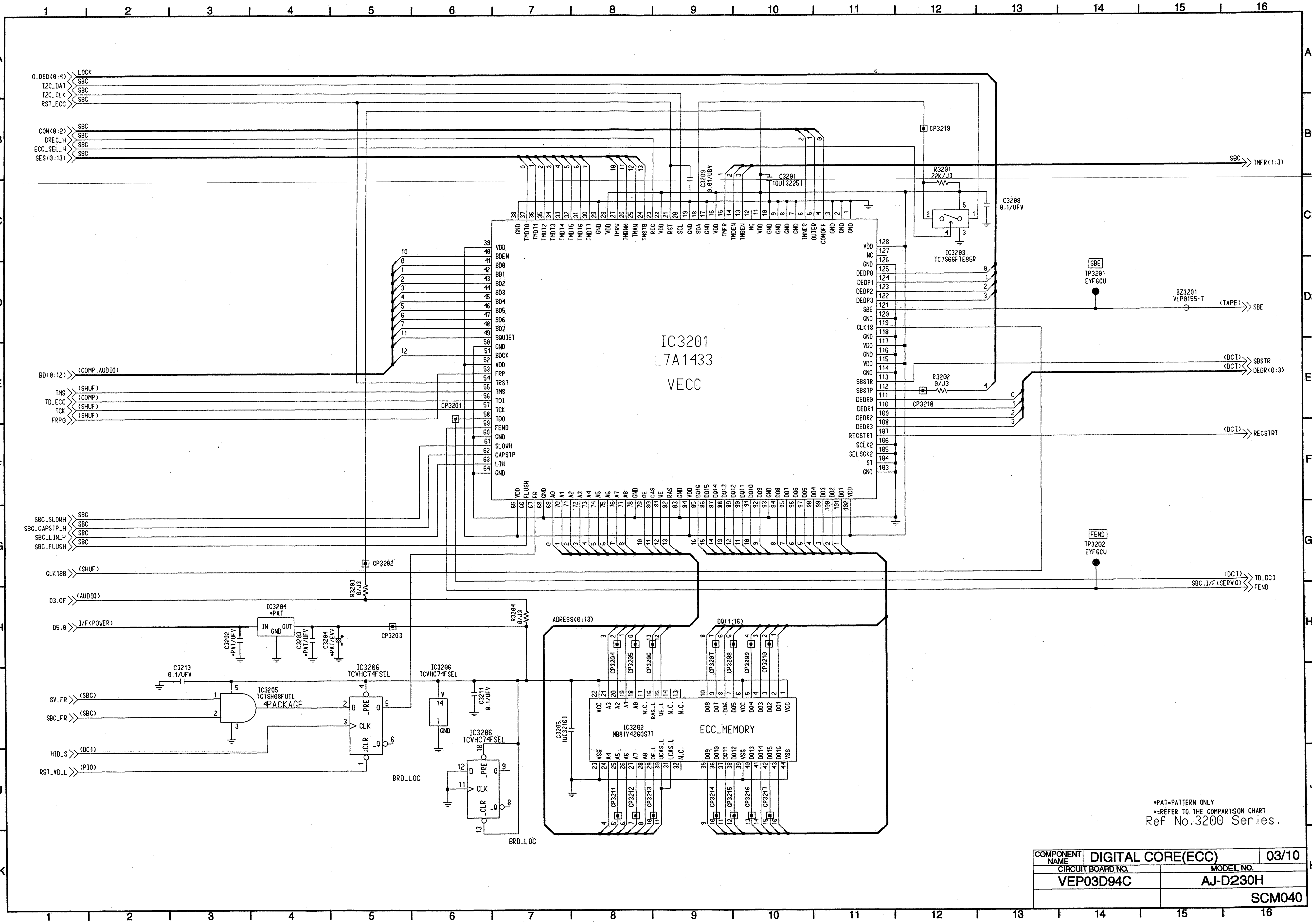
COMPONENT NAME	DIGITAL CORE(SHUFFLE)	01/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM038	


IC3101
M65401FP
AUDIO
IC3102
MN673711
COMPRESSION
IC3103
M52660FP
AUDIO_VCO
IC3104
IC3105
IC3106
IC3107
IC3108
IC3109
IC3110
IC3111
IC3112
SW3101
SW3102
BRD_LOC
REC_H
AVCO
D3.8V
I/F(JACK)
I/F(AUDIO)
FS(0:1)
TD_END
REC_L
BD(0:12)
AC/BD(0:12)
TD_ECC
REC_H
VCO_GND
12.288
RST_AUD3D
TD_AUD
AFS_MSK
SDTO1
I2C_DA1
I2C_CLK
D2.3
D3.8
OP3N
PVDN(0:2)
DFD(0:7)
RST_SHUFF
TD_COMP
AUD_HI2
AUD_VR
AUDIO_CLK_SEL
BD_VR
BD_HI21
DV_BUS(0:12)

⏚ = DIGITAL GND

*PAT=PATTERN ONLY
Ref No.3100 Series.

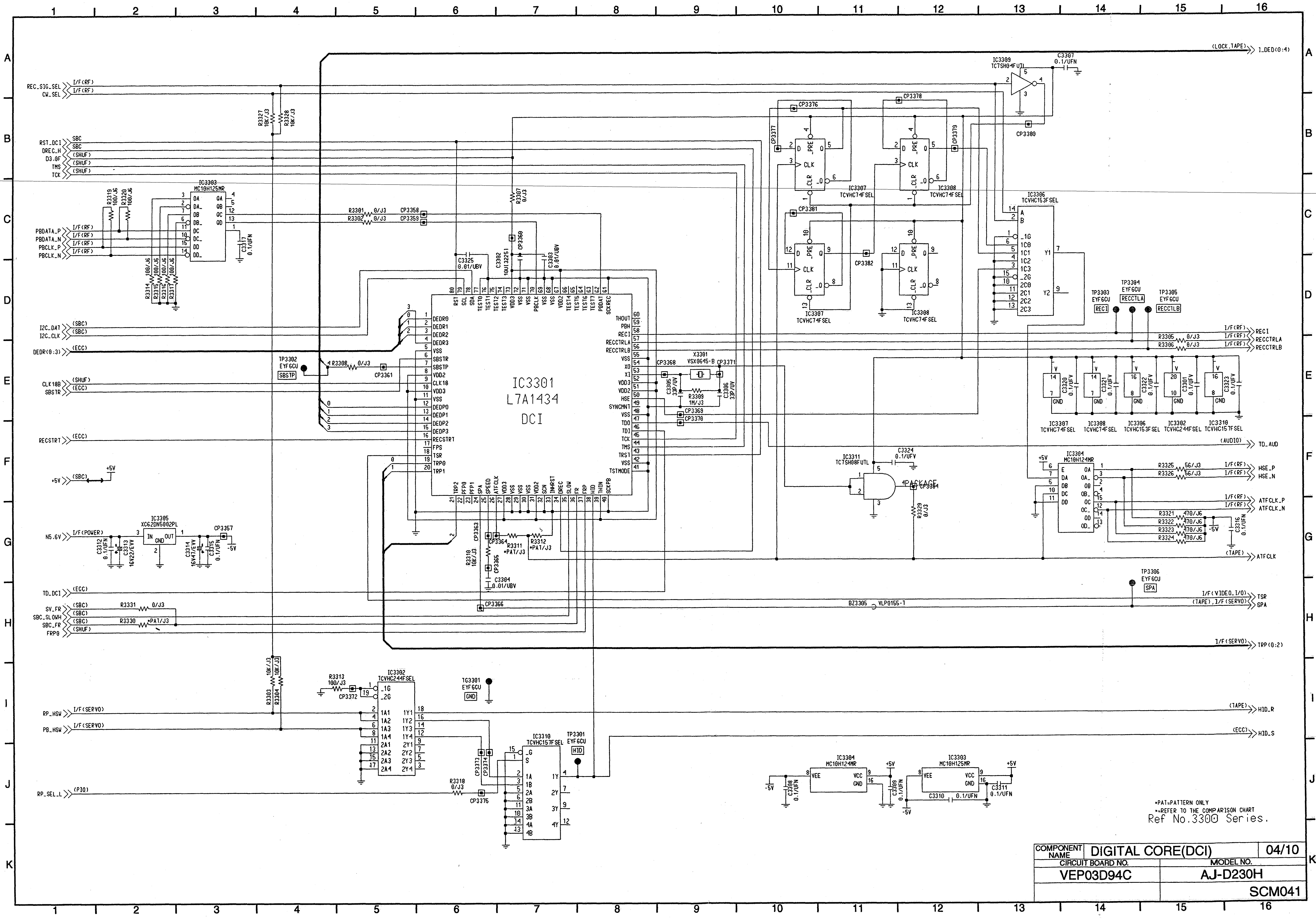
COMPONENT NAME	DIGITAL CORE(COMP,AUDIO)	02/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM039	



IC3201
L7A1433
VECC
O_DED(0:4)
I2C_DAT
I2C_CLK
RST_ECC
CON(0:2)
DREC_H
ECC_SEL_H
SES(0:13)
SBC
LOCK
BD(0:12)
(COMP,AUDIO)
TMS
TD_ECC
TCK
FRP0
(SHUF)
(COMP)
CP3201
SBC_SLOWH
SBC_CAPSTP_H
SBC_LIN_H
SBC_FLUSH
CLK18B
D3.0F
(AUDIO)
D5.0
I/F(POWER)
CP3202
R3203 0/J3
R3204 0/J3
IC3204 *PAT
IN OUT GND
C3202 *PAT/UFV
C3203 *PAT/UFV
C3204 *PAT/EVV
CP3203
C3210 0.1/UFV
IC3205 TC7SH08FUTL
4PACKAGE
IC3206 TCVHC74FSEL
SV_FR
SBC_FR
HID_S
(DC1)
RST_VD_L
(P10)
D PRE CLK CLR Q
GND
C3211 0.1/UFV
BRD_LOC
ADRESS(0:13)
D0(1:16)
CP3204
CP3205
CP3206
CP3207
CP3208
CP3209
CP3210
CP3211
CP3212
CP3213
CP3214
CP3215
CP3216
CP3217
C3205 10U(3216)
IC3202
MB81V4260S7T
ECC_MEMORY
C3209 0.01/10BV
C3201 10U(3225)
CP3219
R3201 22K/J3
C3208 0.1/UFV
IC3203 TC7S66FTE85R
R3202 0/J3
CP3218
SBE
TP3201 EYF6CU
BZ3201 VLP0155-T
(TAPE)
TMFR(1:3)
(DCI)
SBSTR
DEDR(0:3)
RECSTRT
FEND
TP3202 EYF6CU
TD_DCI
SBC.I/F(SERVO)
VDD BDEN BD0 BD1 BD2 BD3 BD4 BD5 BD6 BD7 BQUIET GND BDCK VDD FRP TRST TMS TDI TCK TDO FEND GND SLOWH CAPSTP LIH GND
GND TMDI0 TMDI1 TMDI2 TMDI3 TMDI4 TMDI5 TMDI6 TMDI7 GND VDD TMRW TMRNK TMAV TMSTB REC VDD RST SCL GND SDA GND VDD TMFR TMDEN TMBEN NC VDD GND GND GND INNER OUTER CONOFF GND GND GND
VDD NC GND DEDP0 DEDP1 DEDP2 DEDP3 SBE GND CLK18 GND VDD GND VDD GND SBSTR SBSTP GND DEDR0 DEDR1 DEDR2 DEDR3 RECSTRT SCLK2 SELSCK2 ST GND
VDD FLUSH FR GND A0 A1 A2 A3 A4 A5 A6 A7 A8 GND OE CAS WE RAS GND VDD DO16 DO15 DO14 DO13 DO12 DO11 DO10 DO9 GND DO8 DO7 DO6 DO5 DO4 DO3 DO2 DO1 VDD
VCC A3 A2 A1 A0 N.C. RAS.L WE.L N.C. N.C. D08 D07 D06 D05 VCC D04 D03 D02 D01 VCC
VSS A4 A5 A6 A7 A8 OE.L UCAS.L LCAS.L N.C. D09 D010 D011 D012 VSS D013 D014 D015 D016 VSS

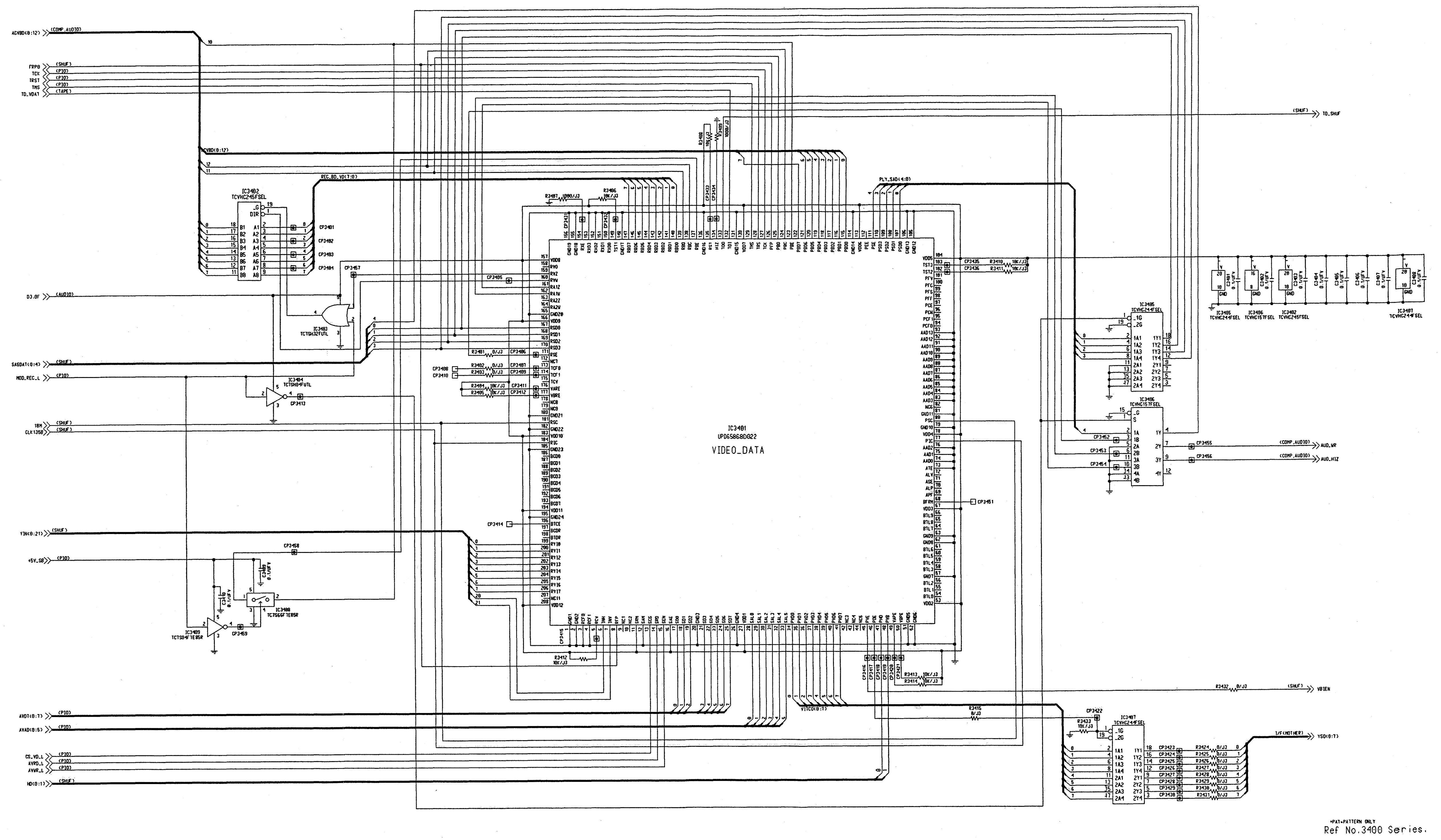
*PAT=PATTERN ONLY
*=REFER TO THE COMPARTSON CHART
Ref No.3200 Series.

COMPONENT NAME	DIGITAL CORE(ECC)	03/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM040	


IC3301
L7A1434
DCI
IC3302 TCVHC244FSEL
IC3303 MC10H125MR
IC3304 MC10H124MR
IC3305 XC62DN5002PL
IC3306 TCVHC153FSEL
IC3307 TCVHC74FSEL
IC3308 TCVHC74FSEL
IC3309 TC7SH04FUTL
IC3310 TCVHC157FSEL
IC3311 TC7SH08FUTL
X3301 VSX0645-B
BZ3305 VLP0155-1
TP3301 EYF6CU HID
TP3302 EYF6CU SBSTP
TP3303 EYF6CU RECI
TP3304 EYF6CU RECCTLA
TP3305 EYF6CU RECCTLB
TP3306 EYF6CU SPA
TG3301 EYF6CU GND
REC_SIG_SEL
CW_SEL
RST_DCI
DREC_H
D3.0F
TMS
TCK
PBDATA_P
PBDATA_N
PBCLK_P
PBCLK_N
I2C_DAT
I2C_CLK
DEDR(0:3)
CLK18B
SBSTR
RECSTRT
+5V
N5.6V
TD_DCI
SV_FR
SBC_SLOWH
SBC_FR
FRPB
RP_HSW
PB_HSW
RP_SEL_L
I_DED(0:4)
RECI
RECCTRLA
RECCTRLB
TD_AUD
HSE_P
HSE_N
ATFCLK_P
ATFCLK_N
ATFCLK
TSR
SPA
TRP(0:2)
HID_R
HID_S
(LOCK,TAPE)
I/F(RF)
I/F(POWER)
I/F(SERVO)
I/F(VIDEO_I/O)
(TAPE),I/F(SERVO)
(SBC)
(SHUF)
(ECC)
(AUDIO)
(TAPE)
(PIO)
4PACKAGE

*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
Ref No.3300 Series.

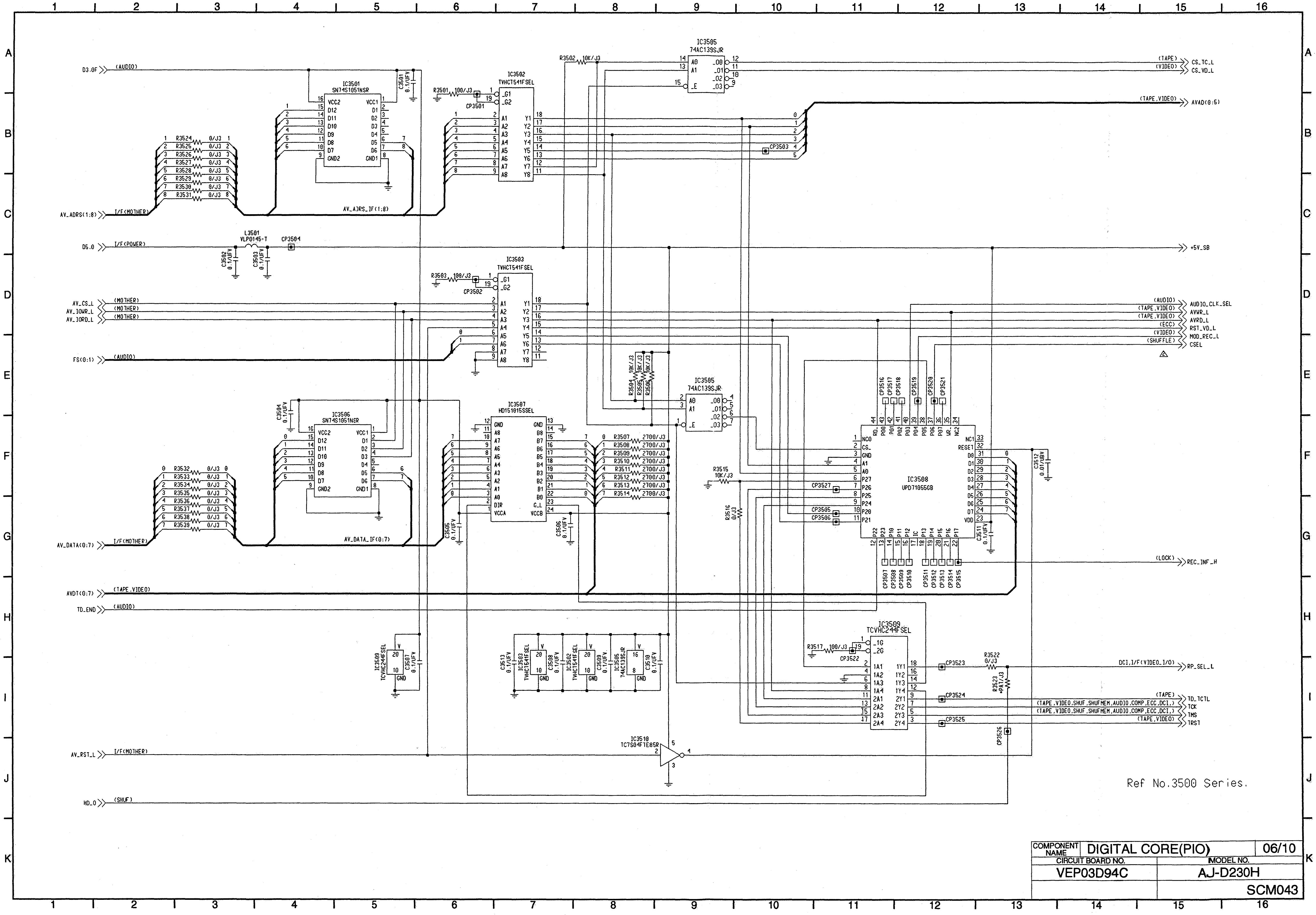
COMPONENT NAME	DIGITAL CORE(DCI)	04/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM041	


ACVBD(0:12)
(COMP_AUDIO)
FRPB
TCK
TRST
TMS
TD_VDAT
(SHUF)
(P30)
(TAPE)
TD_SHUF
CVBD(0:12)
REC_BD_VD(7:0)
PLY_SAD(4:0)
IC3402
TCVHC245FSEL
D3.0F
(AUDIO)
IC3403
TC7SH32FUTL
SASDAT(0:4)
MOD_REC_L
IC3404
TC7SH04FUTL
18M
CLK125B
IC3401
UPD65868D022
VIDEO_DATA
YIN(0:21)
+5V_SB
IC3408
TC7S66FTE85R
IC3409
TC7S04FTE85R
IC3405
TCVHC244FSEL
IC3406
TCVHC157FSEL
IC3407
TCVHC244FSEL
AUD_WR
AUD_H1Z
VBIEN
AVDT(0:7)
AVAD(0:5)
CS_VD_L
AVRD_L
AVWR_L
HD(0:13)
VTCD(0:7)
I/F(MOTHER)
YSD(0:7)

*PAT*PATTERN ONLY

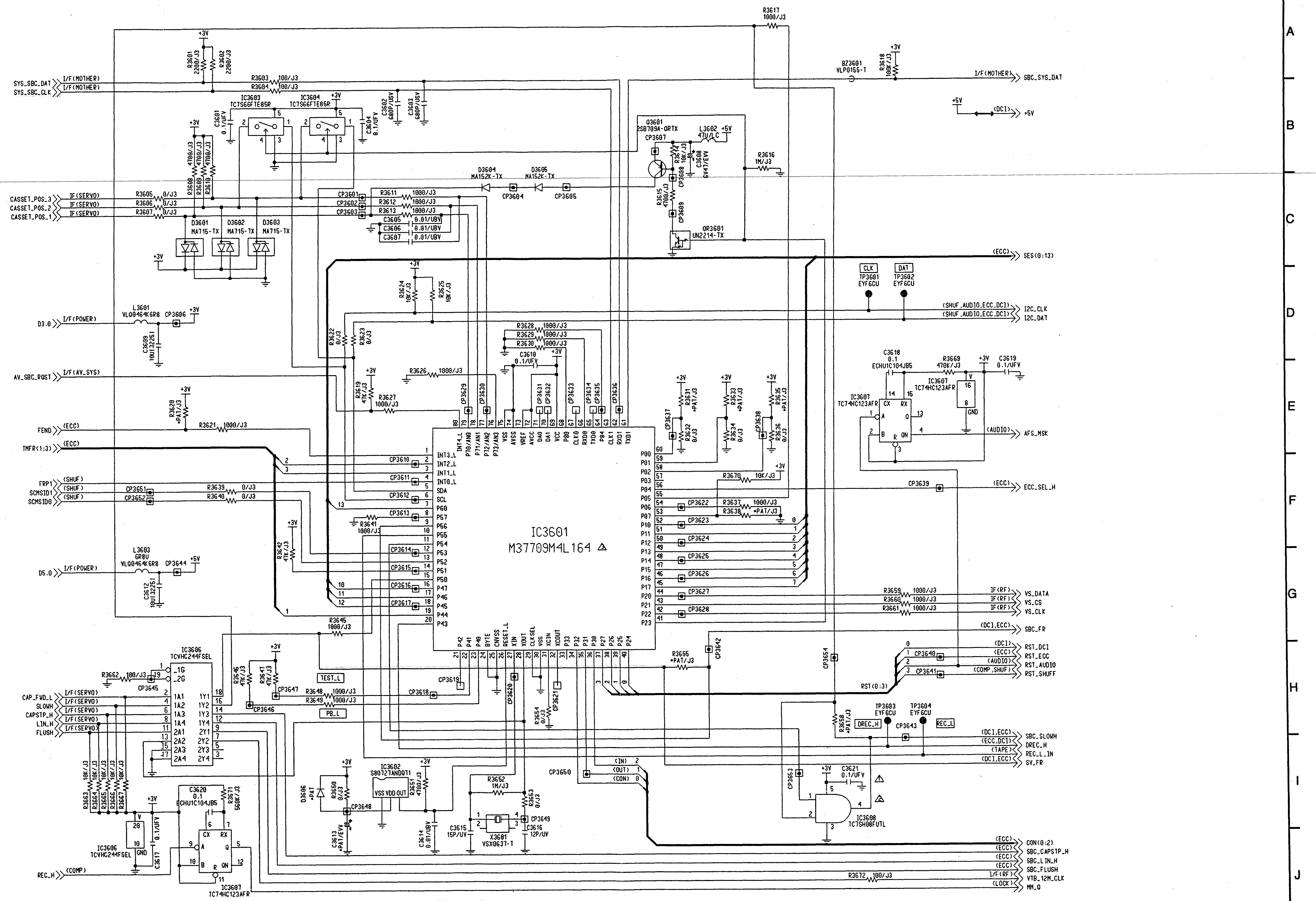
Ref No.3400 Series.

COMPONENT NAME	DIGITAL CORE(VIDEO DAT A)	05/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM042	


IC3501 SN74S1051NSR
IC3502 TVHCT541FSEL
IC3503 TVHCT541FSEL
IC3505 74AC139SJR
IC3506 SN74S1051NSR
IC3507 HD151015SSEL
IC3508 UPD71055GB
IC3509 TCVHC244FSEL
IC3510 TC7S04FTE85R
L3501 VLP0145-T
D3.0F
(AUDIO)
AV_ADRS(1:8)
I/F(MOTHER)
AV_ADRS_IF(1:8)
D5.0
I/F(POWER)
CP3504
+5V_SB
AV_CS_L
AV_IOWR_L
AV_IORD_L
(MOTHER)
FS(0:1)
AV_DATA(0:7)
AV_DATA_IF(0:7)
AVDT(0:7)
(TAPE,VIDEO)
TD_END
AV_RST_L
HD_0
(SHUF)
CS_TC_L
CS_VD_L
AVAD(0:5)
AUDIO_CLK_SEL
AVWR_L
AVRD_L
RST_VD_L
MOD_REC_L
CSEL
REC_INF_H
(LOCK)
DCI,I/F(VIDEO_I/O)
RP_SEL_L
(TAPE,VIDEO,SHUF,SHUFMEM,AUDIO,COMP,ECC,DCI,)
TD_TCTL
TCK
TMS
TRST
(ECC)
(SHUFFLE)

Ref No.3500 Series.

COMPONENT NAME	DIGITAL CORE(PIO)	06/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM043	



SYS_SBC_DAT
SYS_SBC_CLK
I/F(MOTHER)
CASSET_POS_3
CASSET_POS_2
CASSET_POS_1
I/F(SERVO)
D3.0
I/F(POWER)
AV_SBC_RQST
I/F(AV_SYS)
FEND
TMFR(1:3)
FRP1
SCMSID1
SCMSID0
D5.0
CAP_FWD_L
SLOWH
CAPSTP_H
LIN_H
FLUSH
REC_H
IC3601
M37709M4L164
IC3603
TC7S66FTE85R
IC3604
TC7S66FTE85R
D3604
MA152K-TX
D3605
MA152K-TX
Q3601
2SB709A-QRTX
QR3601
UN2214-TX
IC3606
TCVHC244FSEL
IC3607
TC74HC123AFR
IC3602
S80727ANDQT1
X3601
VSX0637-1
IC3608
TC7SH08FUTL
BZ3601
VLP0155-T
TP3601
TP3602
TP3603
TP3604
EYF6CU
CLK
DAT
DREC_H
REC_L
TEST_L
PB_L
SBC_SYS_DAT
+5V
SES(0:13)
I2C_CLK
I2C_DAT
AFS_MSK
ECC_SEL_H
VS_DATA
VS_CS
VS_CLK
SBC_FR
RST_DCI
RST_ECC
RST_AUDIO
RST_SHUFF
RST(0:3)
SBC_SLOWH
DREC_H
REC_L_IN
SV_FR
CON(0:2)
SBC_CAPSTP_H
SBC_LIN_H
SBC_FLUSH
VTB_12M_CLK
MN_0

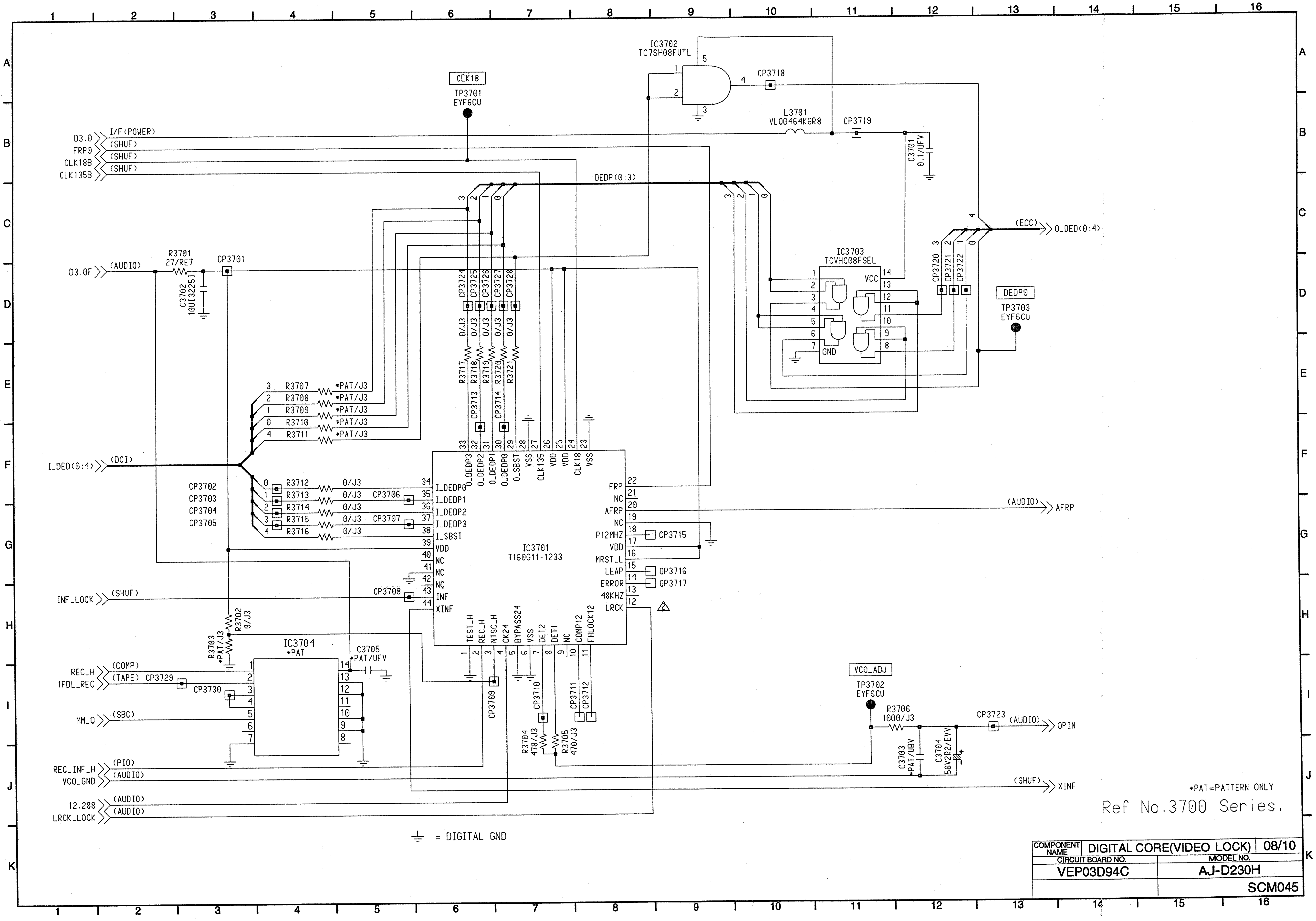
*PAT=PATTERN ONLY

Ref No.3600 Series.

⏚ = MAIN DIGITAL GND

	LOW	HIGH
P00	NTSC	PAL
P01	STUDIO	CAM
P02	PB	REC

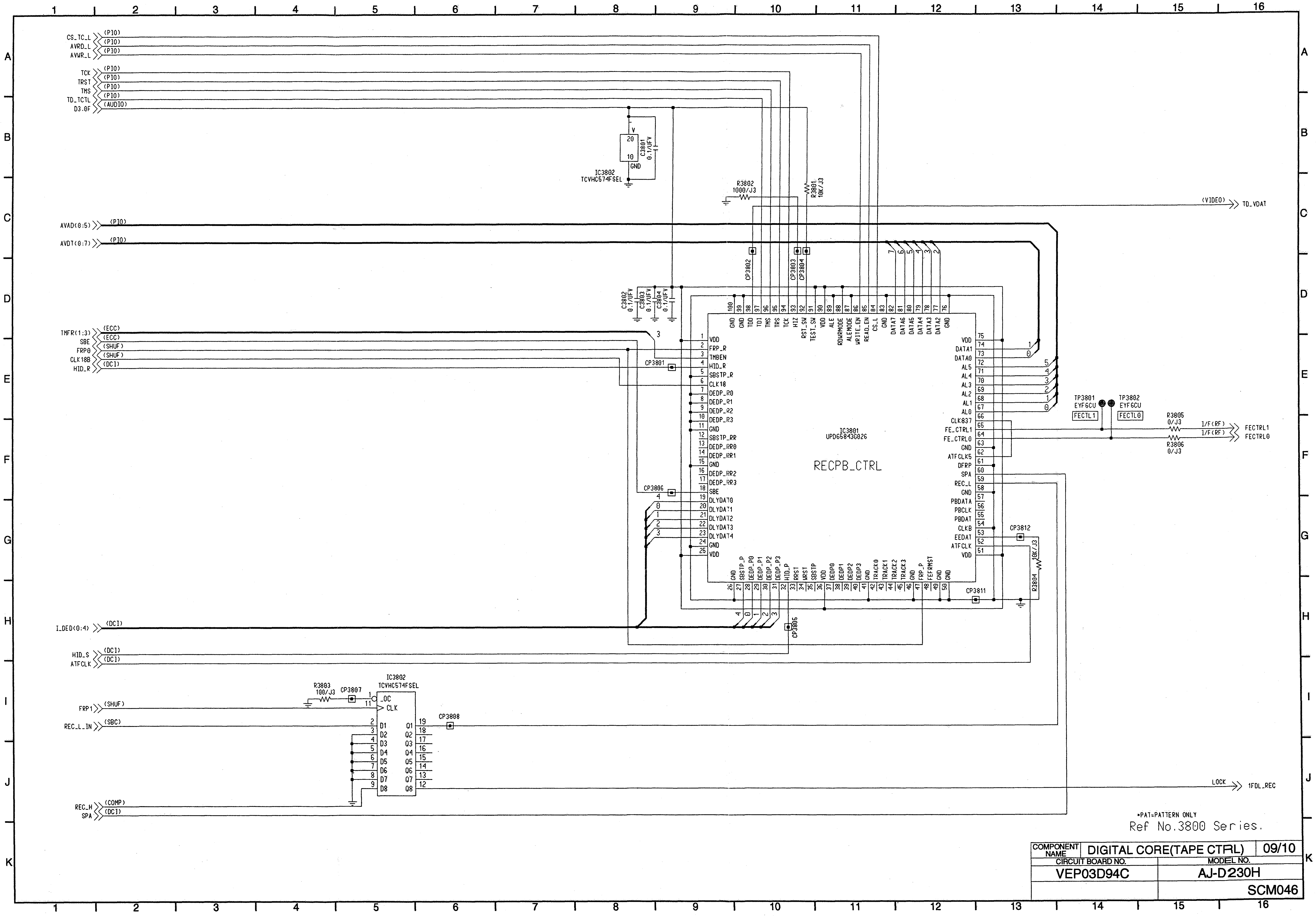
COMPONENT NAME	DIGITAL CORE(VIDEO SBC)	07/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM044	


IC3702
TC7SH08FUTL
CP3718
L3701
VLQ0464K6R8
CP3719
C3701
0.1/UFV
CLK18
TP3701
EYF6CU
D3.0
FRP0
CLK18B
CLK135B
I/F(POWER)
(SHUF)
(SHUF)
(SHUF)
DEDP(0:3)
(ECC)
O_DED(0:4)
D3.0F
(AUDIO)
R3701
27/RE7
CP3701
C3702
10U(3225)
CP3724
CP3725
CP3726
CP3727
CP3728
R3717
R3718
R3719
R3720
R3721
0/J3
CP3713
CP3714
IC3703
TCVHC08FSEL
VCC
GND
CP3720
CP3721
CP3722
DEDP0
TP3703
EYF6CU
R3707
R3708
R3709
R3710
R3711
*PAT/J3
I_DED(0:4)
(DCI)
R3712
R3713
R3714
R3715
R3716
CP3702
CP3703
CP3704
CP3705
CP3706
CP3707
I_DEDP0
I_DEDP1
I_DEDP2
I_DEDP3
I_SBST
VDD
NC
INF
XINF
O_DEDP3
O_DEDP2
O_DEDP1
O_DEDP0
O_SBST
VSS
CLK135
CLK18
FRP
AFRP
P12MHZ
MRST_L
LEAP
ERROR
48KHZ
LRCK
IC3701
T1G0G11-1233
CP3715
CP3716
CP3717
(AUDIO)
AFRP
INF_LOCK
(SHUF)
CP3708
R3702
0/J3
R3703
*PAT/J3
IC3704
*PAT
C3705
*PAT/UFV
TEST_H
REC_H
NTSC_H
CK24
BYPASS24
DET2
DET1
COMP12
FHLOCK12
REC_H
1FDL_REC
(COMP)
(TAPE)
CP3729
CP3730
MM_Q
(SBC)
CP3709
CP3710
CP3711
CP3712
R3704
470/J3
R3705
470/J3
VCO_ADJ
TP3702
EYF6CU
R3706
1000/J3
CP3723
(AUDIO)
OPIN
C3703
*PAT/UBV
C3704
50V2R2/EVV
REC_INF_H
VCO_GND
(PIO)
(AUDIO)
(SHUF)
XINF
12.288
LRCK_LOCK
(AUDIO)
(AUDIO)
= DIGITAL GND

*PAT=PATTERN ONLY

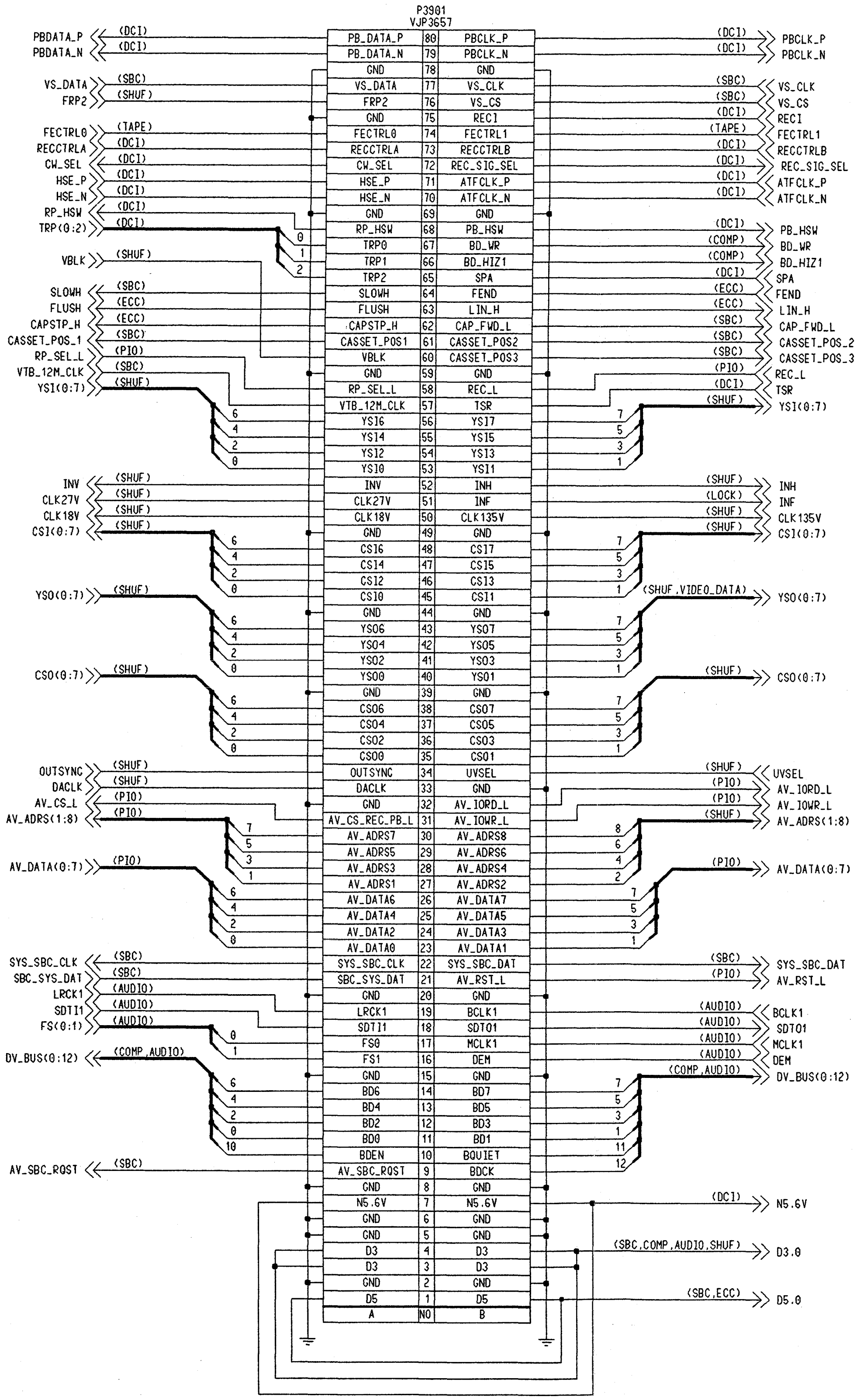
Ref No.3700 Series.

COMPONENT NAME	DIGITAL CORE(VIDEO LOCK)	08/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM045	


CS_TC_L
AVRD_L
AVWR_L
TCK
TRST
TMS
TD_TCTL
D3.0F
(PIO)
(AUDIO)
IC3802
TCVHC574FSEL
C3801
0.1/UFV
R3802
1000/J3
R3801
10K/J3
(VIDEO)
TD_VDAT
AVAD(0:5)
AVDT(0:7)
THFR(1:3)
SBE
FRP0
CLK18B
HID_R
(ECC)
(SHUF)
(DCI)
CP3801
CP3802
CP3803
CP3804
CP3805
CP3806
CP3811
CP3812
C3802
C3803
C3804
0.1/UFV
IC3801
UPD65843G026
RECPB_CTRL
VDD
FRP_R
THBEN
HID_R
SBSTP_R
CLK18
DEDP_R0
DEDP_R1
DEDP_R2
DEDP_R3
GND
SBSTP_RR
DEDP_RR0
DEDP_RR1
DEDP_RR2
DEDP_RR3
SBE
DLYDAT0
DLYDAT1
DLYDAT2
DLYDAT3
DLYDAT4
TDO
TDI
TMS
TRS
TCK
HIZ
RST_SW
TEST_SW
ALE
RDWRMODE
ALEMODE
WRITE_EN
READ_EN
CS_L
DATA7
DATA6
DATA5
DATA4
DATA3
DATA2
DATA1
DATA0
AL5
AL4
AL3
AL2
AL1
AL0
CLK837
FE_CTRL1
FE_CTRL0
ATFCLK5
DFRP
SPA
REC_L
PBDATA
PBCLK
PBDAT
CLKB
EEDAT
ATFCLK
SBSTP_P
DEDP_P0
DEDP_P1
DEDP_P2
DEDP_P3
HID_P
RRST
WRST
SBSTP
DEDP0
DEDP1
DEDP2
DEDP3
TRACK0
TRACK1
TRACK2
TRACK3
FRP_P
FEFRMST
TP3801
EYF6CU
TP3802
EYF6CU
FECTL1
FECTL0
R3805
0/J3
R3806
0/J3
I/F(RF)
FECTRL1
FECTRL0
R3804
10K/J3
I_DED(0:4)
HID_S
ATFCLK
R3803
100/J3
CP3807
IC3802
TCVHC574FSEL
_OC
CLK
FRP1
REC_L_IN
(SBC)
CP3808
D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
LOCK
1FDL_REC
REC_H
SPA
(COMP)
*PAT=PATTERN ONLY

Ref No.3800 Series.

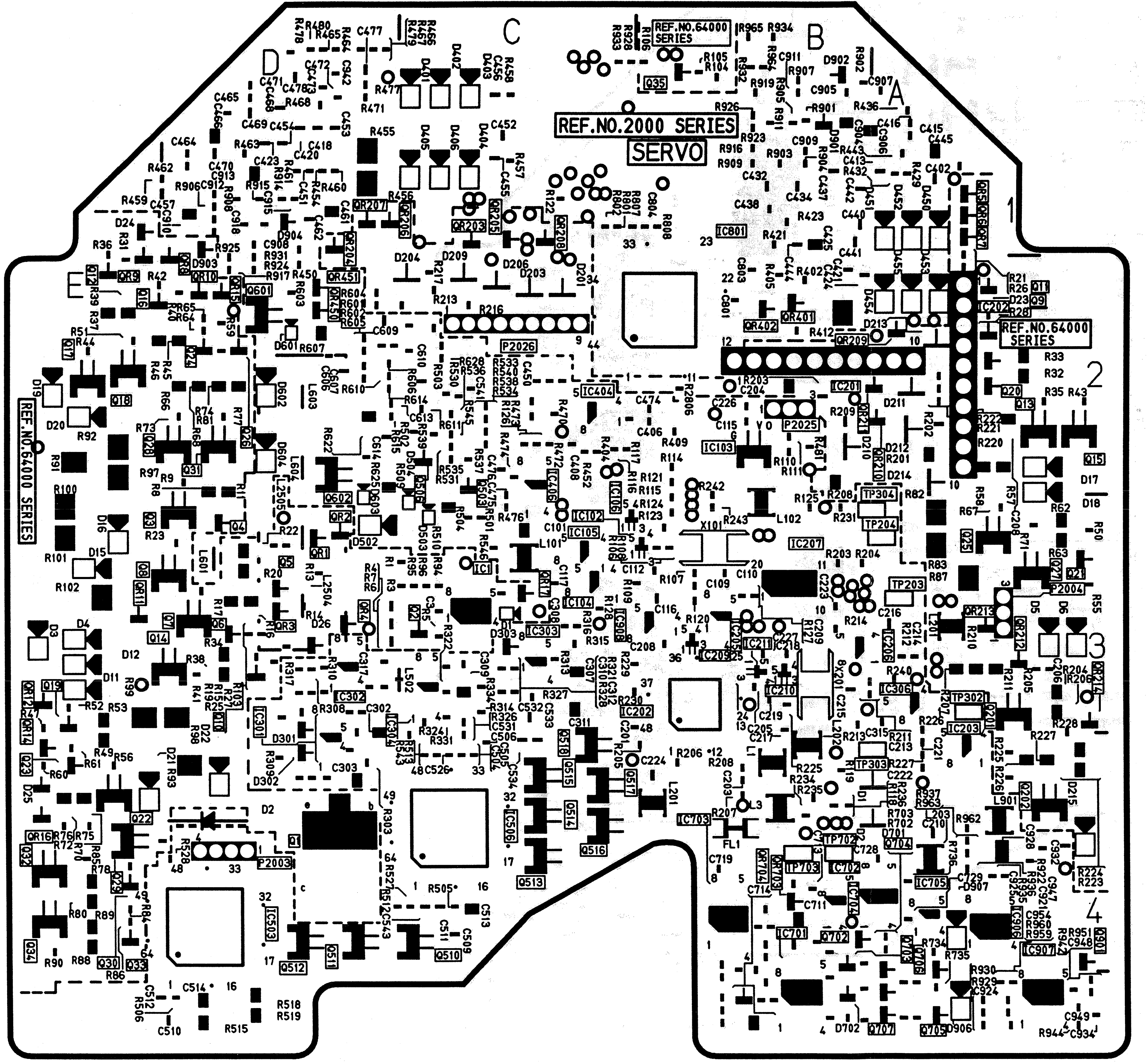
COMPONENT NAME	DIGITAL CORE(TAPE CTRL)	09/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM046	


P3901
VJP3657
PB_DATA_P 80 PBCLK_P
PB_DATA_N 79 PBCLK_N
GND 78 GND
VS_DATA 77 VS_CLK
FRP2 76 VS_CS
GND 75 REC1
FECTRL0 74 FECTRL1
RECCTRLA 73 RECCTRLB
CW_SEL 72 REC_SIG_SEL
HSE_P 71 ATFCLK_P
HSE_N 70 ATFCLK_N
GND 69 GND
RP_HSW 68 PB_HSW
TRP0 67 BD_WR
TRP1 66 BD_HIZ1
TRP2 65 SPA
SLOWH 64 FEND
FLUSH 63 LIN_H
CAPSTP_H 62 CAP_FWD_L
CASSET_POS1 61 CASSET_POS2
VBLK 60 CASSET_POS3
GND 59 GND
RP_SEL_L 58 REC_L
VTB_12M_CLK 57 TSR
YSI6 56 YSI7
YSI4 55 YSI5
YSI2 54 YSI3
YSI0 53 YSI1
INV 52 INH
CLK27V 51 INF
CLK18V 50 CLK135V
GND 49 GND
CSI6 48 CSI7
CSI4 47 CSI5
CSI2 46 CSI3
CSI0 45 CSI1
GND 44 GND
YSO6 43 YSO7
YSO4 42 YSO5
YSO2 41 YSO3
YSO0 40 YSO1
GND 39 GND
CSO6 38 CSO7
CSO4 37 CSO5
CSO2 36 CSO3
CSO0 35 CSO1
OUTSYNC 34 UVSEL
DACLK 33 GND
GND 32 AV_IORD_L
AV_CS_REC_PB_L 31 AV_IOWR_L
AV_ADRS7 30 AV_ADRS8
AV_ADRS5 29 AV_ADRS6
AV_ADRS3 28 AV_ADRS4
AV_ADRS1 27 AV_ADRS2
AV_DATA6 26 AV_DATA7
AV_DATA4 25 AV_DATA5
AV_DATA2 24 AV_DATA3
AV_DATA0 23 AV_DATA1
SYS_SBC_CLK 22 SYS_SBC_DAT
SBC_SYS_DAT 21 AV_RST_L
GND 20 GND
LRCK1 19 BCLK1
SDTI1 18 SDTO1
FS0 17 MCLK1
FS1 16 DEM
GND 15 GND
BD6 14 BD7
BD4 13 BD5
BD2 12 BD3
BD0 11 BD1
BDEN 10 BDUIET
AV_SBC_RQST 9 BDCK
GND 8 GND
N5.6V 7 N5.6V
GND 6 GND
GND 5 GND
D3 4 D3
D3 3 D3
GND 2 GND
D5 1 D5
A NO B
PBDATA_P (DCI)
PBDATA_N (DCI)
VS_DATA (SBC)
FRP2 (SHUF)
FECTRL0 (TAPE)
RECCTRLA (DCI)
CW_SEL (DCI)
HSE_P (DCI)
HSE_N (DCI)
RP_HSW (DCI)
TRP(0:2) (DCI)
VBLK (SHUF)
SLOWH (SBC)
FLUSH (ECC)
CAPSTP_H (ECC)
CASSET_POS_1 (SBC)
RP_SEL_L (PIO)
VTB_12M_CLK (SBC)
YSI(0:7) (SHUF)
INV (SHUF)
CLK27V (SHUF)
CLK18V (SHUF)
CSI(0:7) (SHUF)
YSO(0:7) (SHUF)
CSO(0:7) (SHUF)
OUTSYNC (SHUF)
DACLK (SHUF)
AV_CS_L (PIO)
AV_ADRS(1:8) (PIO)
AV_DATA(0:7) (PIO)
SYS_SBC_CLK (SBC)
SBC_SYS_DAT (SBC)
LRCK1 (AUDIO)
SDTI1 (AUDIO)
FS(0:1) (AUDIO)
DV_BUS(0:12) (COMP,AUDIO)
AV_SBC_RQST (SBC)
(DCI) PBCLK_P
(DCI) PBCLK_N
(SBC) VS_CLK
(SBC) VS_CS
(DCI) REC1
(TAPE) FECTRL1
(DCI) RECCTRLB
(DCI) REC_SIG_SEL
(DCI) ATFCLK_P
(DCI) ATFCLK_N
(DCI) PB_HSW
(COMP) BD_WR
(COMP) BD_HIZ1
(DCI) SPA
(ECC) FEND
(ECC) LIN_H
(SBC) CAP_FWD_L
(SBC) CASSET_POS_2
(SBC) CASSET_POS_3
(PIO) REC_L
(DCI) TSR
(SHUF) YSI(0:7)
(SHUF) INH
(LOCK) INF
(SHUF) CLK135V
(SHUF) CSI(0:7)
(SHUF,VIDEO_DATA) YSO(0:7)
(SHUF) CSO(0:7)
(SHUF) UVSEL
(PIO) AV_IORD_L
(PIO) AV_IOWR_L
(SHUF) AV_ADRS(1:8)
(PIO) AV_DATA(0:7)
(SBC) SYS_SBC_DAT
(PIO) AV_RST_L
(AUDIO) BCLK1
(AUDIO) SDTO1
(AUDIO) MCLK1
(AUDIO) DEM
(COMP,AUDIO) DV_BUS(0:12)
(DCI) N5.6V
(SBC,COMP,AUDIO,SHUF) D3.0
(SBC,ECC) D5.0

*PAT=PATTERN ONLY
**=REFER TO THE COMPARISON CHART
Ref No.3900 Series.

COMPONENT NAME	DIGITAL CORE(I/F)	10/10
CIRCUIT BOARD NO.	MODEL NO.	
VEP03D94C	AJ-D230H	
	SCM047	

SERVO (VEP02545C) P.C. BOARD



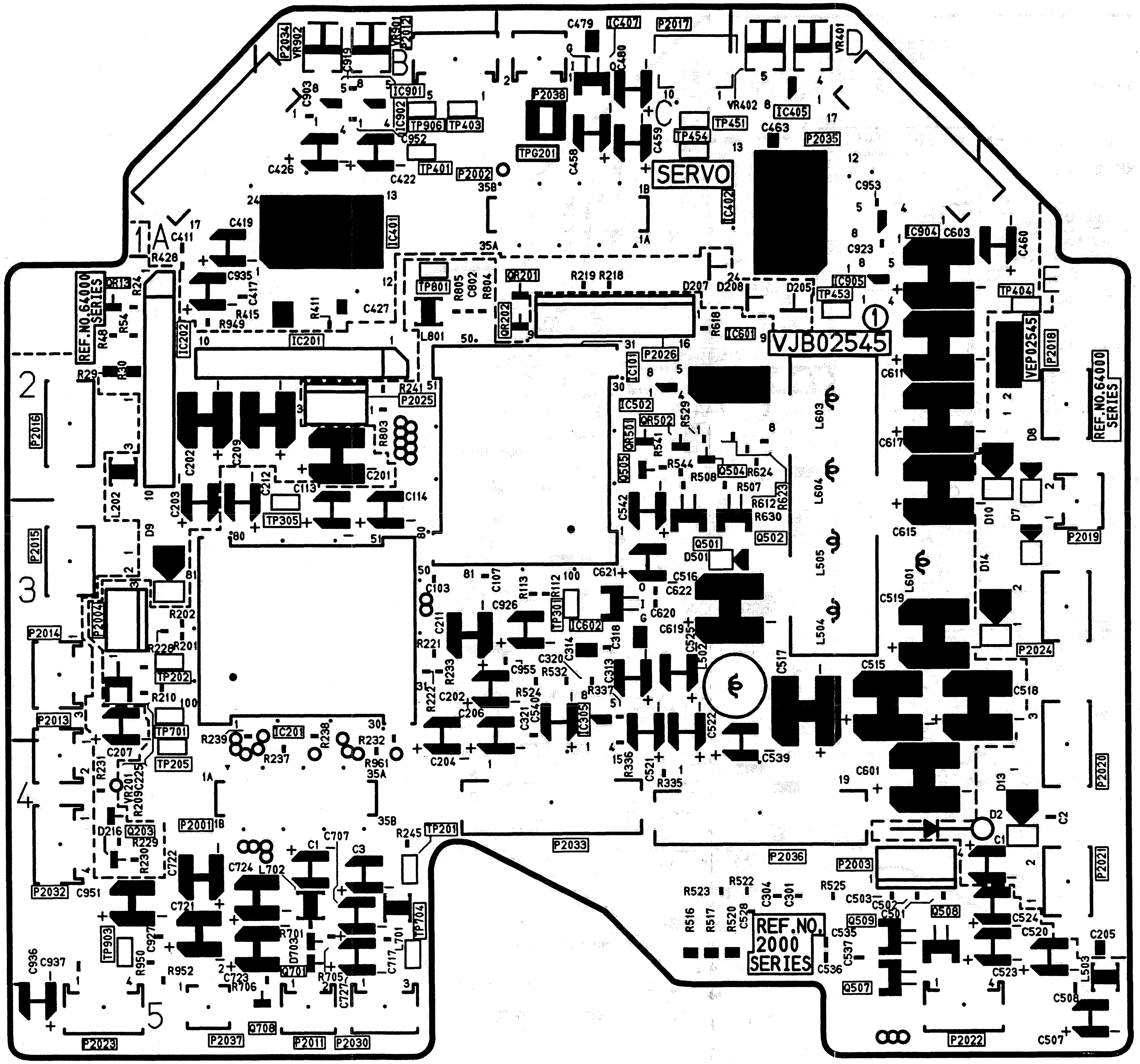
SERVO-FOIL

REF	LOC	REF	LOC	REF	LOC
IC2102	B3	Q2518	C4	QR2402	B2
IC2103	B2	Q2601	D2	QR2450	D2
IC2104	C3	Q2602	D2	QR2451	D2
IC2105	C3	Q2702	B4	QR2703	B4
IC2106	C3	Q2703	B4	QR2704	B4
IC2202	B3	Q2704	A4	QR6400	D3
IC2203	A4	Q2705	A4	QR6400	D3
IC2205	B3	Q2706	A4	QR6400	D3
IC2206	B3	Q2707	A4	QR6400	D3
IC2207	B3	Q2901	A4	QR6400	A1
IC2209	B3	Q64001	D4	QR6400	A1
IC2210	B3	Q64002	C3	QR6400	A1
IC2211	B3	Q64003	D3	QR6400	D2
IC2301	D4	Q64004	D3	QR6400	E2
IC2302	D3	Q64005	D3	QR6401	D2
IC2303	C3	Q64006	D3	QR6401	E3
IC2304	C3	Q64007	D3	QR6401	E3
IC2306	A3	Q64008	D3	QR6401	E4
IC2404	C2	Q64009	A2	QR6401	D2
IC2406	C2	Q64010	D3	QR6401	E4
IC2503	D4	Q64011	A2	QR6401	C3
IC2506	C4	Q64012	E2	QR6420	C1
IC2701	B4	Q64013	A2	QR6420	D1
IC2702	B4	Q64014	D3	QR6420	C1
IC2703	B4	Q64015	A2	QR6421	A3
IC2704	A4	Q64016	E2	QR6421	A3
IC2705	A4	Q64017	E2	QR6421	A3
IC2801	B2	Q64018	E2	TP203	A3
IC2906	A4	Q64019	E3	TP204	A3
IC2907	A4	Q64020	A2	TP302	A3
IC2908	B3	Q64021	A3	TP303	A4
IC64001	C3	Q64022	E4	TP304	A3
IC64201	D2	Q64023	E4	TP702	B4
IC64202	E2	Q64024	D2	TP703	B4
P2003	A4	Q64025	A3	QR6401	C3
P2004	E3	Q64026	D2	QR6420	C1
P2025	D2	Q64027	A3	QR6420	D1
P2026	B2	Q64028	D2	QR6420	C1
Q2503	C2	Q64029	E4	QR6421	A3
Q2506	C2	Q64030	E4	QR6421	A3
Q2510	C4	Q64031	D2	QR6421	A3
Q2511	D4	Q64032	E4	TP203	A3
Q2512	D4	Q64033	E4	TP204	A3
Q2513	C4	Q64034	E4	TP302	A3
Q2514	C4	Q64035	B1	TP303	A4
Q2515	C4	Q64201	A3	TP304	A3
Q2516	C4	Q64202	A4	TP702	B4
Q2517	C4	QR2401	B2	TP703	B4

(FOIL SIDE)

REVERSE SIDE (COMPONENT SIDE)

SERVO (VEP02545C) P.C. BOARD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VJB02545
VEP02545
REF.NO.64000 SERIES
REF.NO.64000 SERIES
REF.NO. 2000 SERIES
A
B
C
D
E
1
2
3
4
5
IC201
IC202
IC305
IC401
IC402
IC405
IC407
IC501
IC502
IC601
IC602
IC901
IC902
IC904
IC905
IC101
P2001
P2002
P2003
P2004
P2011
P2012
P2013
P2014
P2015
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P2017
P2018
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P2020
P2021
P2022
P2023
P2024
P2025
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TP201
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TP205
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TP903
TP906
TPG201
Q203
Q501
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Q701
Q708
QR13
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QR202
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QR502
QR505
VR401
VR402
VR902
L505
L601
L603
L604
L504
L503
L702
L801
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D7
D8
D9
D10
D13
D14
D501
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C515
C518
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C615
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C619
C539
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R231
R239
R237
R238
R232
R961
R245
R523
R522
R525
R516
R517
R520
R952
R950
R701
R705
R706

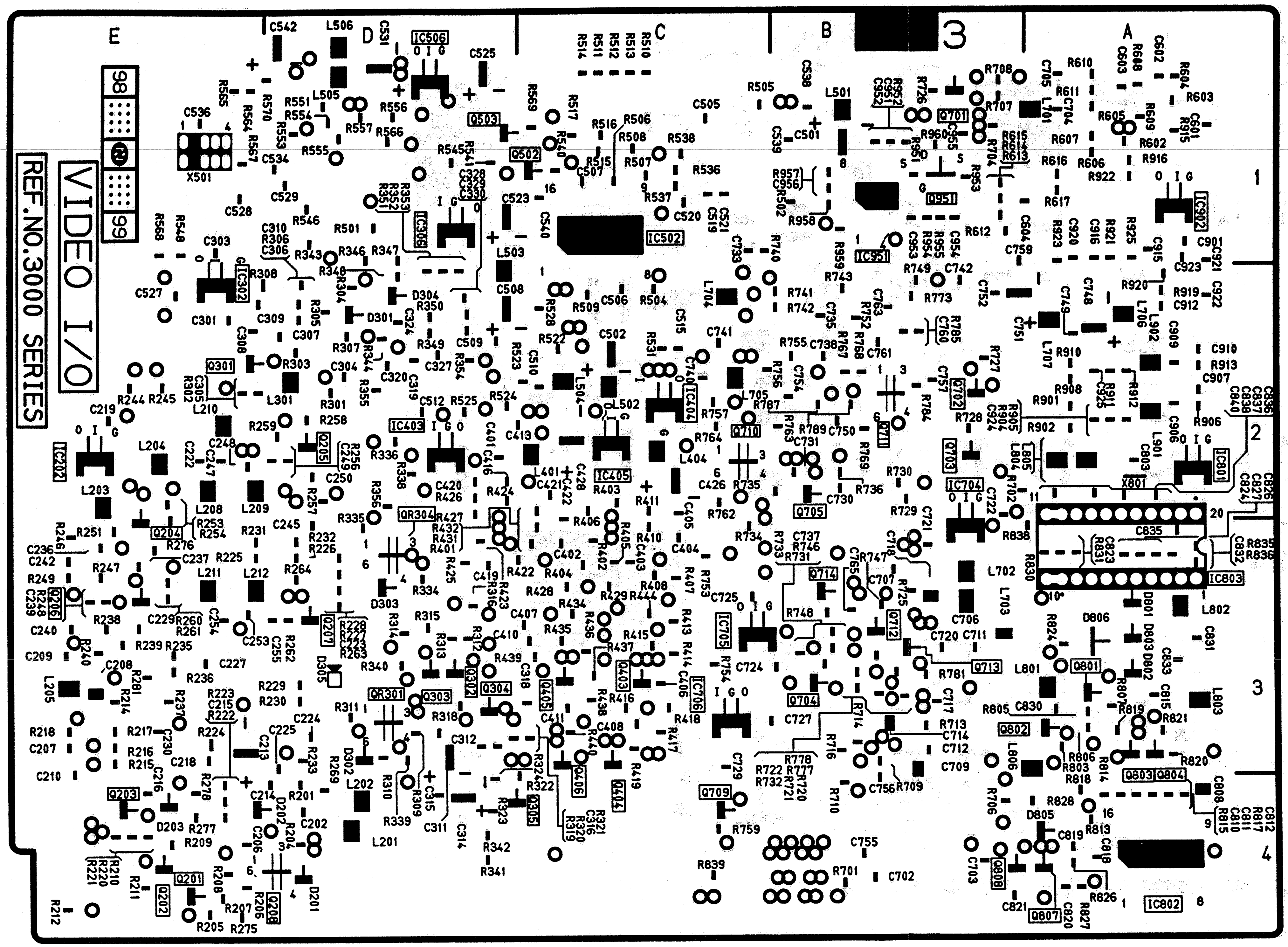
SERVO-COMPONENT

REF	LOC	REF	LOC
IC2101	C2	P2037	A4
IC2201	B2	P2038	C1
IC2305	C2	Q2501	C2
IC2401	B1	Q2502	D2
IC2402	D1	Q2504	C2
IC2405	D1	Q2505	C2
IC2407	C1	Q2507	D4
IC2502	C2	Q2508	D4
IC2601	D2	Q2509	D4
IC2602	C2	Q2701	B4
IC2901	B1	Q2708	B4
IC2902	B1	Q64203	A4
IC2904	D1	QR2501	C2
IC2905	D2	QR2502	C2
P2001	B4	QR6401	A2
P2002	C1	QR6420	C2
P2011	B4	QR6420	C2
P2012	B1	TP201	B4
P2013	A4	TP202	A2
P2014	A2	TP205	A4
P2015	A2	TP301	C2
P2016	A2	TP305	B2
P2017	C1	TP701	A2
P2018	E2	TP704	B4
P2019	E2	TP2401	B1
P2020	E4	TP2403	B1
P2021	E4	TP2404	E2
P2022	E4	TP2451	C1
P2024	E2	TP2453	D2
P2030	B4	TP2454	C1
P2032	A4	TP2801	B2
P2033	C4	TP2903	A4
P2034	A1	TP2906	B1
P2035	D1	TPG201	C1
P2036	D4	VR2201	A2

(COMPONENT SIDE)

REVERSE SIDE (FOIL SIDE)

VIDEO I/O (VEP03E54B) P.C. BOARD


E
D
C
B
A
3
1
2
3
4
VIDEO I/O
REF.NO.3000 SERIES
98
99
IC202
IC302
IC306
IC403
IC404
IC405
IC502
IC506
IC704
IC705
IC706
IC801
IC802
IC803
IC902
IC951
X501
X801

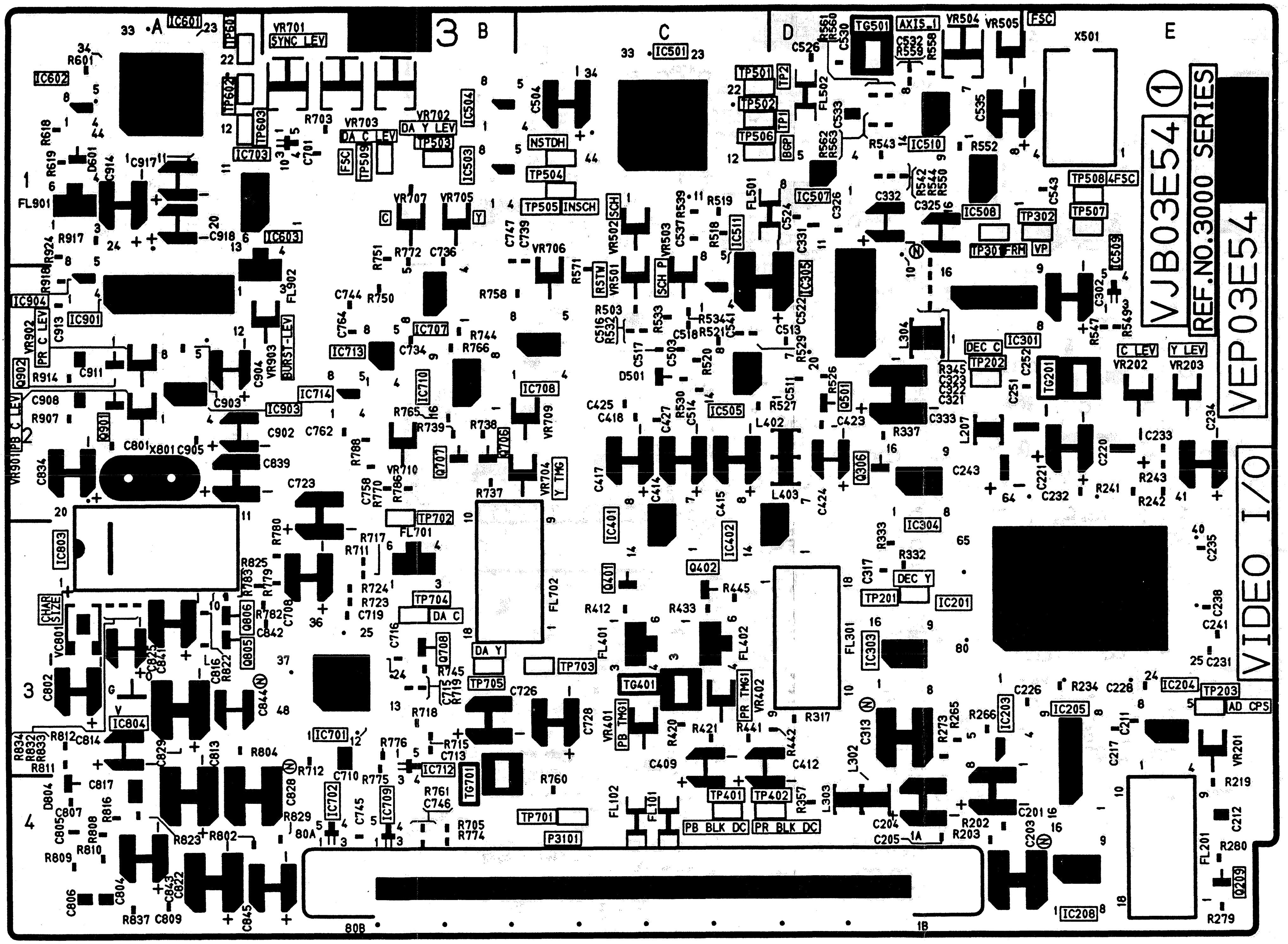
VIDEO-FOIL

REF	LOC	REF	LOC
IC3202	E2	Q3403	C3
IC3302	E2	Q3404	C3
IC3403	D2	Q3405	C3
IC3404	C2	Q3406	C3
IC3405	C2	Q3502	C1
IC3502	C1	Q3503	D1
IC3506	D1	Q3701	B1
IC3704	B3	Q3702	B2
IC3705	C3	Q3703	B2
IC3706	C3	Q3704	B3
IC3801	A2	Q3705	B2
IC3802	A4	Q3709	C4
IC3902	A1	Q3710	C2
IC3951	B1	Q3711	B2
Q3201	E4	Q3712	B3
Q3202	E4	Q3713	B3
Q3203	E4	Q3714	B3
Q3204	E3	Q3801	A3
Q3205	D2	Q3802	A3
Q3206	E3	Q3803	A3
Q3207	D3	Q3804	A3
Q3208	D4	Q3807	A4
Q3301	E2	Q3808	B4
Q3302	D3	Q3951	B1
Q3303	D3	QR3301	D3
Q3304	D3	QR3304	D3
Q3305	C4		

(FOIL SIDE)

REVERSE SIDE (COMPONENT SIDE)

VIDEO I/O (VEP03E54B) P.C. BOARD



A
B
C
D
E
1
2
3
4
IC601
IC602
IC501
IC504
IC503
IC507
IC510
IC508
IC511
IC505
IC305
IC301
IC304
IC201
IC303
IC203
IC205
IC204
IC208
IC701
IC702
IC703
IC707
IC708
IC709
IC710
IC712
IC713
IC714
IC603
IC803
IC804
IC901
IC903
IC904
IC401
IC402
VR701
SYNC LEV
VR702
DA Y LEV
VR703
DA C LEV
VR504
VR505
VR501
VR502
VR503
VR705
VR706
VR707
VR709
VR710
VR202
VR203
VR201
VR401
VR402
VR901
VR902
VR903
PR C LEV
PB C LEV
BURST-LEV
C LEV
Y LEV
TG501
TG401
TG201
TG701
AXIS_1
FSC
4FSC
X501
X801
NSTDH
INSCH
SCH
SCH P
RSTW
TP501
TP502
TP503
TP504
TP505
TP506
TP507
TP508
TP509
TP601
TP602
TP603
TP201
TP202
TP203
TP301
TP302
TP401
TP402
TP701
TP702
TP703
TP704
TP705
FRM
VP
DEC C
DEC Y
DA Y
DA C
Y TMG
PB TMG1
PR TMG1
PB BLK DC
PR BLK DC
AD CPS
CHAR SIZE
P3101
FL901
FL902
FL701
FL702
FL401
FL402
FL501
FL502
FL301
FL101
FL102
FL201
L402
L403
L302
L303
L304
L207
Q209
Q306
Q401
Q402
Q501
Q706
Q707
Q708
Q805
Q806
Q901
Q902
VC801
D501
D601
D804
VJB03E54 ①
REF.NO.3000 SERIES
VEP03E54
VIDEO I/O
80B
1B

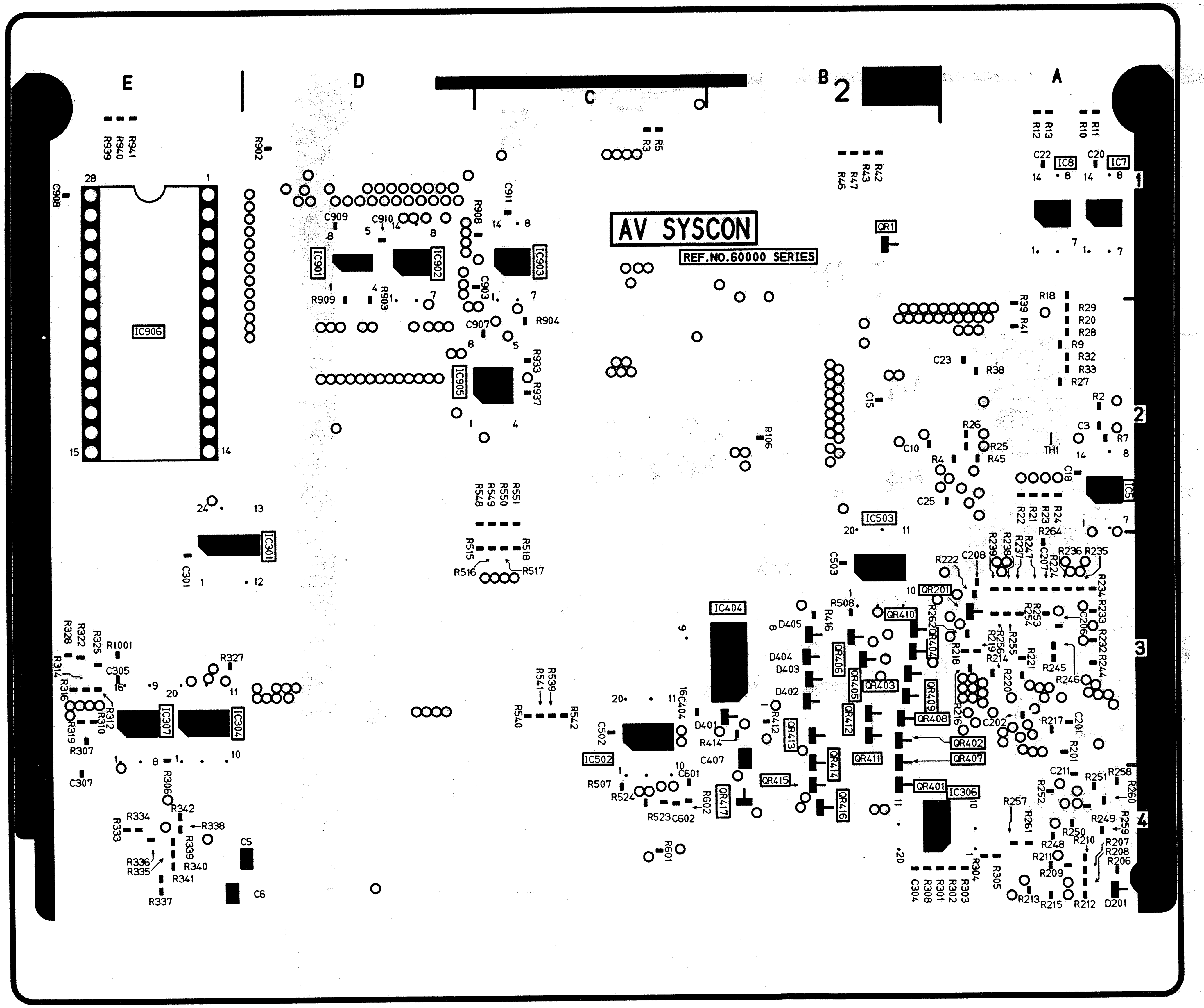
VIDEO-COMPONENT

REF	LOC	REF	LOC
IC3201	E3	TG3201	E2
IC3203	D3	TG3401	C3
IC3204	E3	TG3501	D1
IC3205	E3	TG3701	B4
IC3208	E4	TP3201	D3
IC3301	D2	TP3202	D2
IC3303	D3	TP3203	E3
IC3304	D2	TP3301	D1
IC3401	C3	TP3302	E1
IC3402	D3	TP3401	C4
IC3501	C1	TP3402	C4
IC3503	B1	TP3501	C1
IC3504	B1	TP3502	C1
IC3505	C2	TP3503	B1
IC3507	D1	TP3504	C1
IC3508	D1	TP3505	C1
IC3509	E2	TP3506	C1
IC3510	D1	TP3507	E1
IC3511	C2	TP3508	E1
IC3601	A1	TP3509	B1
IC3602	A1	TP3601	A1
IC3603	A1	TP3602	A1
IC3701	B3	TP3603	A1
IC3702	B4	TP3701	C4
IC3703	B1	TP3702	B3
IC3707	B2	TP3703	C3
IC3708	C2	TP3704	B3
IC3709	B4	TP3705	B3
IC3710	B2	VC3801	A3
IC3712	B3	VR3202	E2
IC3713	B2	VR3203	E2
IC3714	B2	VR3401	C3
IC3803	A3	VR3402	C3
IC3804	A3	VR3501	C2
IC3901	A2	VR3502	C1
IC3903	A2	VR3503	C2
IC3904	A2	VR3504	D1
P3101	C4	VR3505	D1
Q3209	E4	VR3701	B1
Q3306	D2	VR3702	B1
Q3401	C3	VR3703	B1
Q3402	C3	VR3704	C2
Q3501	D2	VR3705	B1
Q3706	B2	VR3706	C2
Q3707	B2	VR3707	B1
Q3708	B3	VR3709	C2
Q3805	A3	VR3710	B2
Q3806	A3	VR3901	A2
Q3901	A2	VR3902	A2
Q3902	A2	VR3903	B2

(COMPONENT SIDE)

REVERSE SIDE (FOIL SIDE)

AV SYSCON (VEP06C83A) P.C. BOARD


E
D
C
B
A
1
2
3
4
AV SYSCON
REF.NO.60000 SERIES
IC906
IC901
IC902
IC903
IC905
IC301
IC307
IC304
IC404
IC502
IC503
IC306
IC5
IC7
IC8
QR1
QR201
QR401
QR402
QR403
QR404
QR405
QR406
QR407
QR408
QR409
QR410
QR411
QR412
QR413
QR414
QR415
QR416
QR417
D201
D401
D402
D403
D404
D405
TH1
C5
C6
C3
C10
C15
C18
C20
C22
C23
C25
C201
C202
C206
C207
C208
C211
C301
C305
C307
C407
C502
C503
C601
C602
C604
C907
C908
C909
C910
C911
R1001

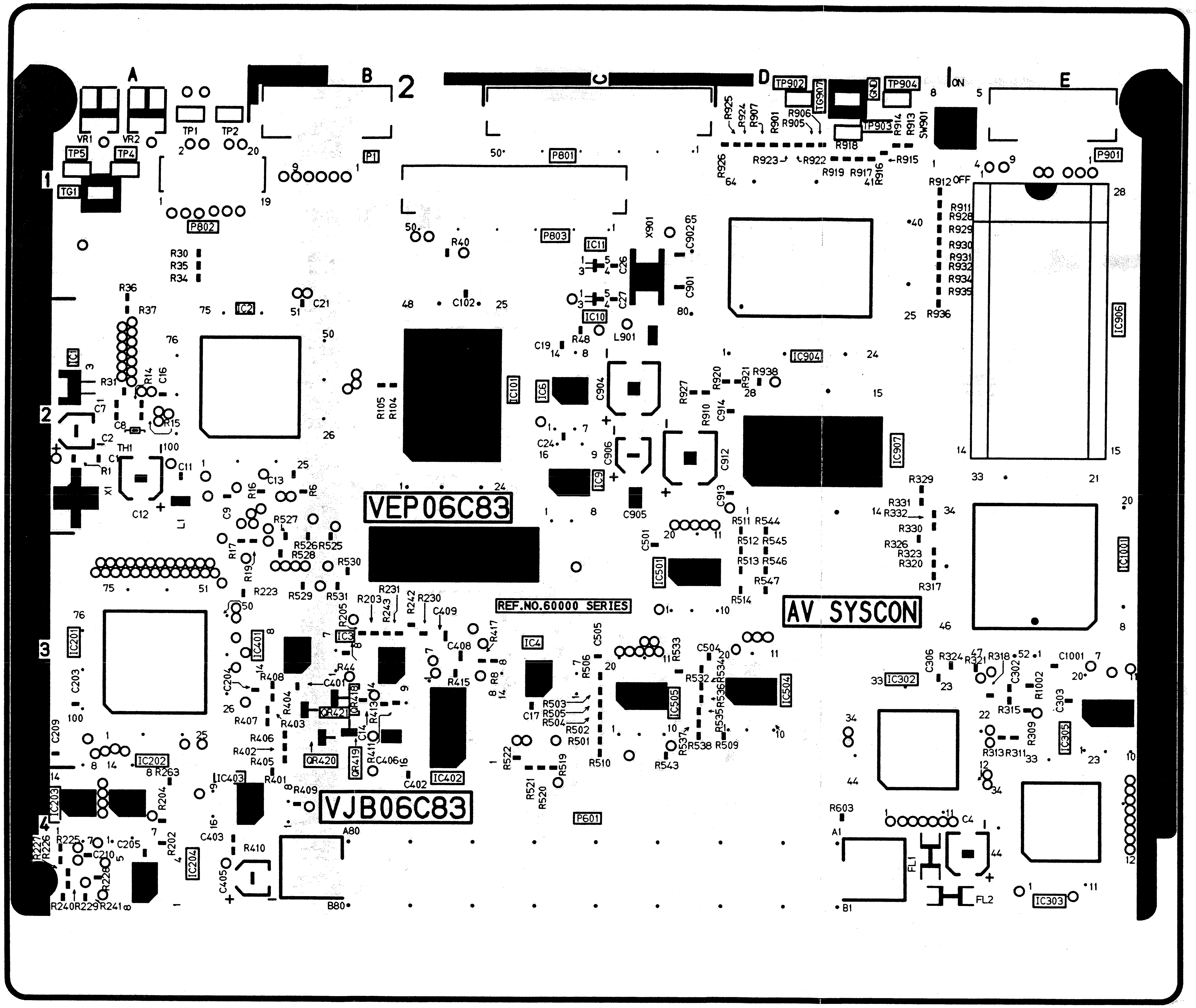
AV SYSCON-FOIL

REF	LOC
IC60005	A2
IC60007	A1
IC60008	A1
IC60301	D3
IC60304	E3
IC60306	B4
IC60307	E3
IC60404	B3
IC60502	C3
IC60503	B3
IC60901	D1
IC60902	D1
IC60903	C1
IC60905	C2
QR60001	B1
QR60201	A3
QR60401	B4
QR60402	B3
QR60403	B3
QR60404	B3
QR60405	B3
QR60405	B3
QR60407	B3
QR60408	B3
QR60409	B3
QR60410	B3
QR60411	B3
QR60412	B3
QR60413	B3
QR60414	B4
QR60415	B4
QR60416	B4
QR60417	B4

(FOIL SIDE)

REVERSE SIDE (COMPONENT SIDE)

AV SYSCON (VEP06C83A) P.C. BOARD



A
B
C
D
E
1
2
3
4
VEP06C83
VJB06C83
AV SYSCON
REF.NO.60000 SERIES
TG1
TP1
TP2
TP4
TP5
VR1
VR2
P1
P802
P801
P803
P601
P901
TP902
TP903
TP904
TG907
GND
ON
OFF
SW901
X901
L901
TH1
X1
FL1
FL2
IC1
IC2
IC3
IC4
IC6
IC9
IC10
IC11
IC101
IC201
IC202
IC203
IC204
IC302
IC303
IC305
IC401
IC402
IC403
IC501
IC504
IC505
IC904
IC906
IC907
IC1001
QR418
QR419
QR420
QR421
A1
A80
B1
B80

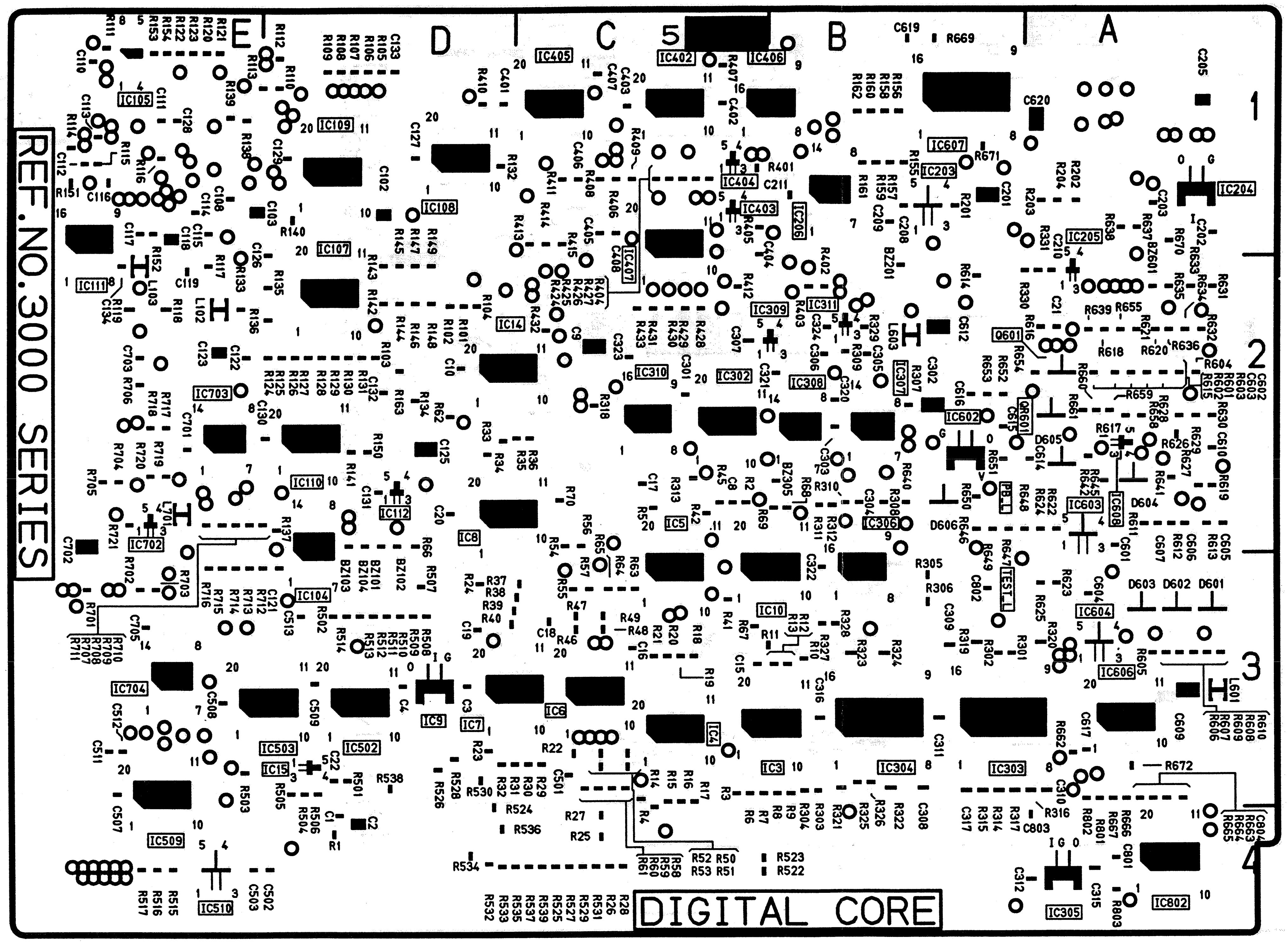
AV SYSCON-COMPONENT

REF	LOC
IC60001	A2
IC60002	A2
IC60003	B3
IC60004	C3
IC60006	C2
IC60009	C2
IC60101	C2
IC60201	A3
IC60202	A4
IC60203	A4
IC60204	A4
IC60302	D3
IC60303	E4
IC60305	E3
IC60401	B3
IC60402	B3
IC60403	A4
IC60501	C3
IC60504	D3
IC60505	C3
IC60904	D2
IC60907	D2
IC61001	E3
P60001	B1
P60601	C4
P60801	C1
P60802	A1
P60901	E1
QR60418	B3
QR60419	B3
QR60420	B3
QR60421	B3
SW60901	D1
TG60001	A1
TG60907	D1
TP60001	A1
TP60002	A1
TP60004	A1
TP60005	A1
TP60902	D1
TP60903	D1
TP60904	D1
VR60001	A1
VR60002	A1

(COMPONENT SIDE)

REVERSE SIDE (FOIL SIDE)

DIGITAL CORE (VEP03D94C) P.C. BOARD


E
D
C
B
A
5
1
2
3
4
REF.NO.3000 SERIES
DIGITAL CORE
IC105
IC109
IC108
IC107
IC111
IC703
IC110
IC112
IC702
IC104
IC704
IC503
IC502
IC15
IC509
IC510
IC405
IC402
IC406
IC404
IC403
IC407
IC14
IC310
IC302
IC309
IC311
IC308
IC307
IC306
IC5
IC8
IC9
IC7
IC6
IC4
IC3
IC10
IC304
IC303
IC305
IC802
IC607
IC203
IC206
IC205
IC204
IC602
QR601
Q601
IC603
IC608
IC604
IC606
PB_L
TEST_L

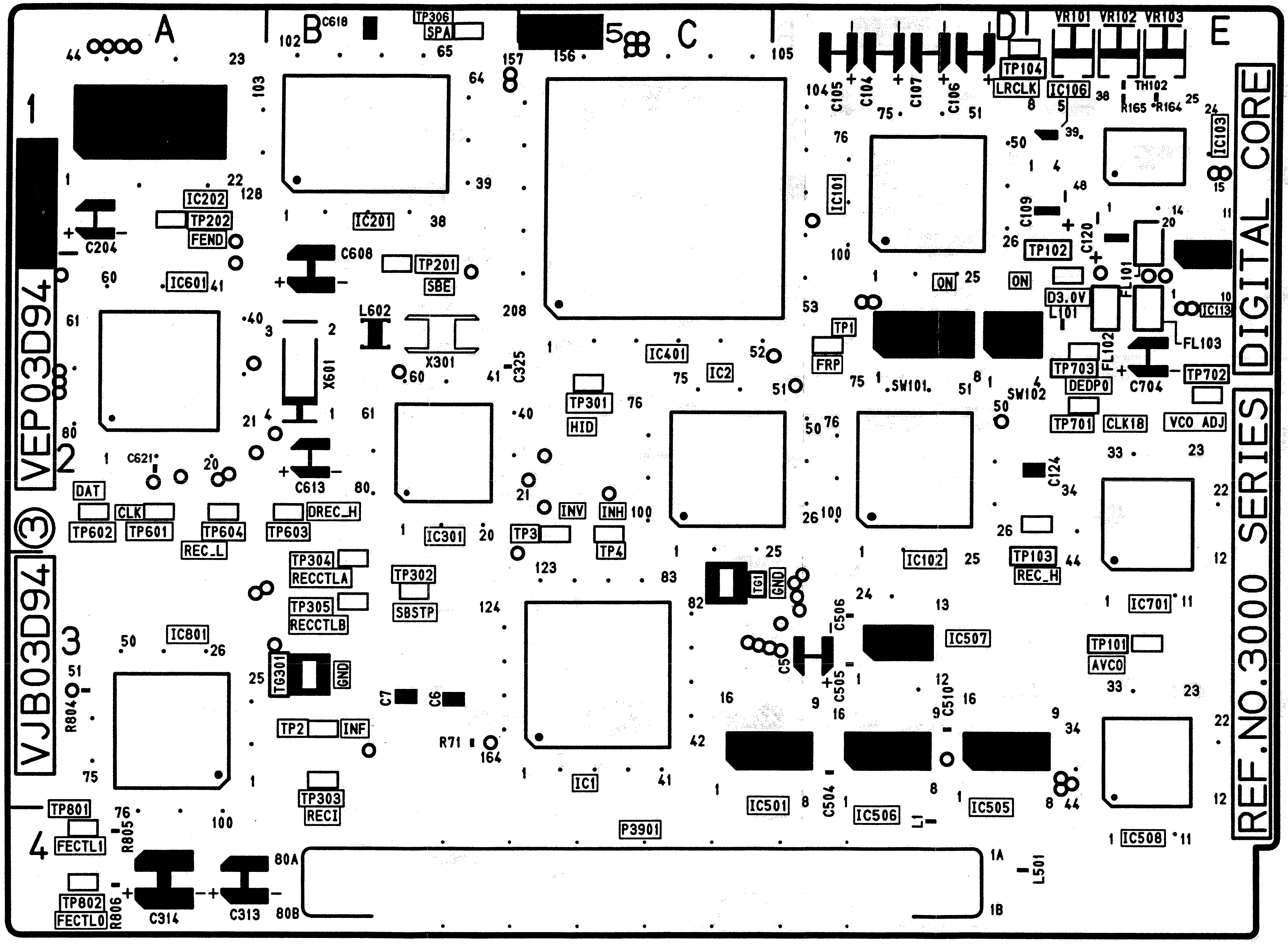
DIGITAL-FOIL

REF	LOC
IC3003	B3
IC3004	C3
IC3005	C3
IC3006	C3
IC3007	D3
IC3008	D2
IC3009	D3
IC3010	B3
IC3014	D2
IC3015	D3
IC3104	D2
IC3105	E1
IC3107	D1
IC3108	D1
IC3109	D1
IC3110	D2
IC3111	E1
IC3112	D2
IC3203	B1
IC3205	A1
IC3206	B1
IC3302	C2
IC3303	B3
IC3304	B3
IC3305	B4
IC3306	B3
IC3307	B2
IC3308	B2
IC3309	B2
IC3310	C2
IC3311	B2
IC3402	C1
IC3403	C1
IC3404	C1
IC3405	C1
IC3406	B1
IC3407	C1
IC3502	D3
IC3503	D3
IC3509	E3
IC3510	E4
IC3602	B2
IC3603	A2
IC3604	A3
IC3606	A3
IC3607	B1
IC3608	A2
IC3702	E2
IC3703	E2
IC3802	A4
Q3601	B2
QR3601	B2

(FOIL SIDE)

REVERSE SIDE (COMPONENT SIDE)

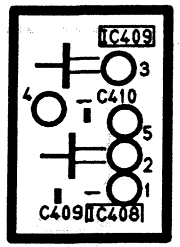
DIGITAL CORE (VEP03D94C) P.C. BOARD


A
B
C
D
E
1
2
3
4
DIGITAL CORE
REF.NO.3000 SERIES
VEP03D94
VJB03D94
③
IC1
IC2
IC101
IC102
IC103
IC106
IC113
IC201
IC202
IC301
IC401
IC501
IC505
IC506
IC507
IC508
IC601
IC701
IC801
P3901
SW101
SW102
X301
L101
L501
L602
FL101
FL102
FL103
TG1
TG301
GND
VR101
VR102
VR103
TH102
R164
R165
R71
R804
R805
R806
C5
C6
C7
C104
C105
C106
C107
C109
C120
C124
C204
C313
C314
C325
C504
C505
C506
C510
C608
C613
C618
C621
C704
TP1
TP2
TP3
TP4
TP101
TP102
TP103
TP104
TP201
TP202
TP301
TP302
TP303
TP304
TP305
TP306
TP601
TP602
TP603
TP604
TP701
TP702
TP703
TP801
TP802
LRCLK
SPA
FEND
SBE
FRP
HID
INV
INH
DEDP0
D3.0V
ON
CLK18
VCO ADJ
REC_H
AVC0
DAT
CLK
REC_L
DREC_H
RECCTLA
RECCTLB
SBSTP
INF
RECI
FECTL1
FECTL0

DIGITAL-COMPONENT

REF	LOC
IC3001	C3
IC3002	C2
IC3101	D1
IC3102	D2
IC3103	E1
IC3106	D1
IC3113	E2
IC3201	B1
IC3202	A1
IC3301	B2
IC3401	C1
IC3501	C3
IC3505	D3
IC3506	D3
IC3507	D3
IC3508	E3
IC3601	A2
IC3701	E2
IC3801	A3
P3901	C4
SW3101	D2
SW3102	D2
TG3001	C3
TG3301	A3
TP3001	D2
TP3002	B3
TP3003	C2
TP3004	C2
TP3101	E3
TP3102	E2
TP3103	D2
TP3104	D1
TP3201	B2
TP3202	A1
TP3301	C2
TP3302	B3
TP3303	B3
TP3304	B3
TP3305	B3
TP3306	B1
TP3601	A2
TP3602	A2
TP3603	A2
TP3604	A2
TP3701	E2
TP3702	E2
TP3703	E2
TP3801	A3
TP3802	A4
VR3101	E1
VR3102	E1
VR3103	E1

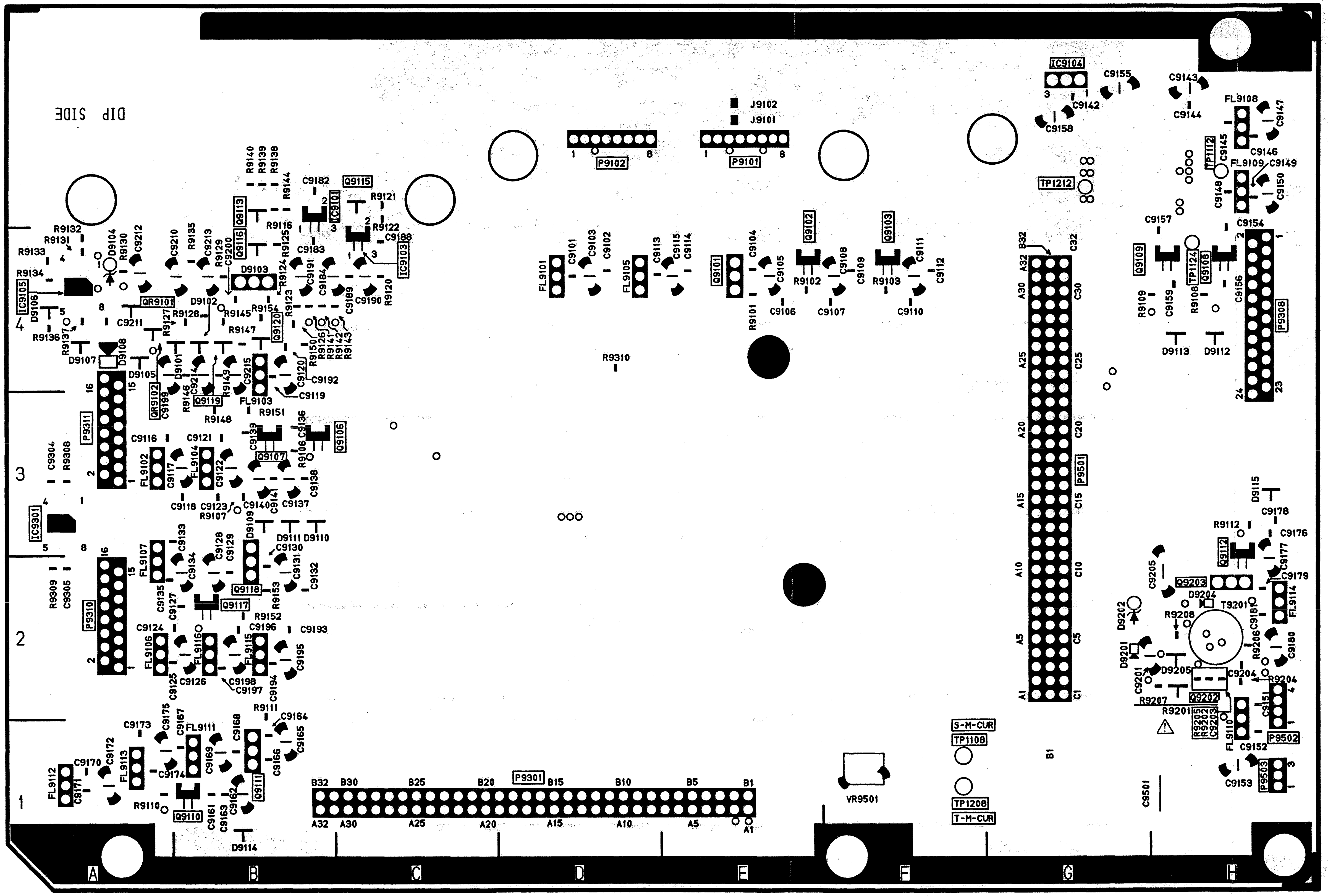
DIGITAL SUB (VEP00Z87A) P.C. BOARD


IC409
C410
C409
IC408
1
2
3
4
5

(COMPONENT SIDE)

REVERSE SIDE (FOIL SIDE)

MOTHER (VEP00Z78A) P.C. BOARD


DIP SIDE
IC9104
C9155
C9143
C9142
C9158
C9144
FL9108
C9147
J9102
J9101
P9102
P9101
TP1212
TP1112
C9145
C9146
FL9109
C9149
C9148
C9150
C9157
C9154
Q9109
TP1124
Q9108
C9156
P9308
R9109
C9159
R9108
D9113
D9112
R9140
R9139
R9138
R9144
C9182
Q9115
R9121
R9122
C9188
IC9103
IC9101
R9116
R9125
C9183
R9132
R9131
R9133
R9134
IC9105
D9106
D9104
R9130
C9212
C9210
R9135
C9213
R9129
C9200
Q9113
Q9116
D9103
R9124
C9191
C9184
C9189
C9190
R9120
QR9101
D9102
R9128
C9211
R9127
R9145
R9154
R9147
R9123
Q9120
R9150
R9126
R9141
R9142
R9143
R9136
R9137
D9107
D9108
D9105
D9101
QR9102
C9199
R9146
C9214
Q9119
R9149
C9215
FL9103
C9120
C9192
C9119
R9148
R9151
P9311
C9116
C9121
FL9102
C9117
FL9104
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R9106
Q9106
C9138
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C9118
C9123
R9107
C9140
C9141
C9137
IC9301
D9109
D9111
D9110
C9130
C9131
C9132
FL9107
C9133
C9134
C9128
C9129
Q9118
C9135
C9127
Q9117
R9153
R9152
C9196
C9193
R9309
C9305
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FL9106
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FL9115
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C9125
C9126
C9198
C9197
C9194
R9111
C9164
C9165
C9166
C9173
C9175
C9167
FL9111
C9168
C9169
C9170
C9172
FL9113
C9174
FL9112
C9171
R9110
Q9110
C9161
C9163
C9162
Q9111
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FL9101
C9101
C9103
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R9101
C9106
C9107
C9110
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B32
C32
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A30
C30
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C25
A20
C20
P9501
A15
C15
A10
C10
A5
C5
A1
C1
B1
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R9112
C9176
Q9112
C9177
C9205
Q9203
C9179
D9204
T9201
FL9114
D9202
R9208
C9181
R9206
C9180
D9201
D9205
C9204
R9204
C9201
R9207
Q9202
R9201
R9202
R9203
C9203
C9151
FL9110
P9502
C9152
C9153
P9503
C9501
S-M-CUR
TP1108
TP1208
T-M-CUR
VR9501
P9301
B32
B30
B25
B20
B15
B10
B5
B1
A32
A30
A25
A20
A15
A10
A5
A1
1
2
3
4
A
B
C
D
E
F
G
H

MOTHER-FOIL

REF	LOC
IC9101	B4
IC9103	C4
IC9105	A4
IC9301	A3
Q9102	E4
Q9103	F4
Q9106	B3
Q9107	B3
Q9108	H4
Q9109	H4
Q9110	B1
Q9112	H2
Q9113	B5
Q9115	C5
Q9116	B4
Q9117	B2
Q9119	B4
Q9120	B4
Q9202	H2
QR9101	A4
QR9102	A4

⚠ 警告

⚠印の部品は安全上重要な部品です。
交換するときは、安全および性能維持の
ため必ず指定の部品をご使用ください。

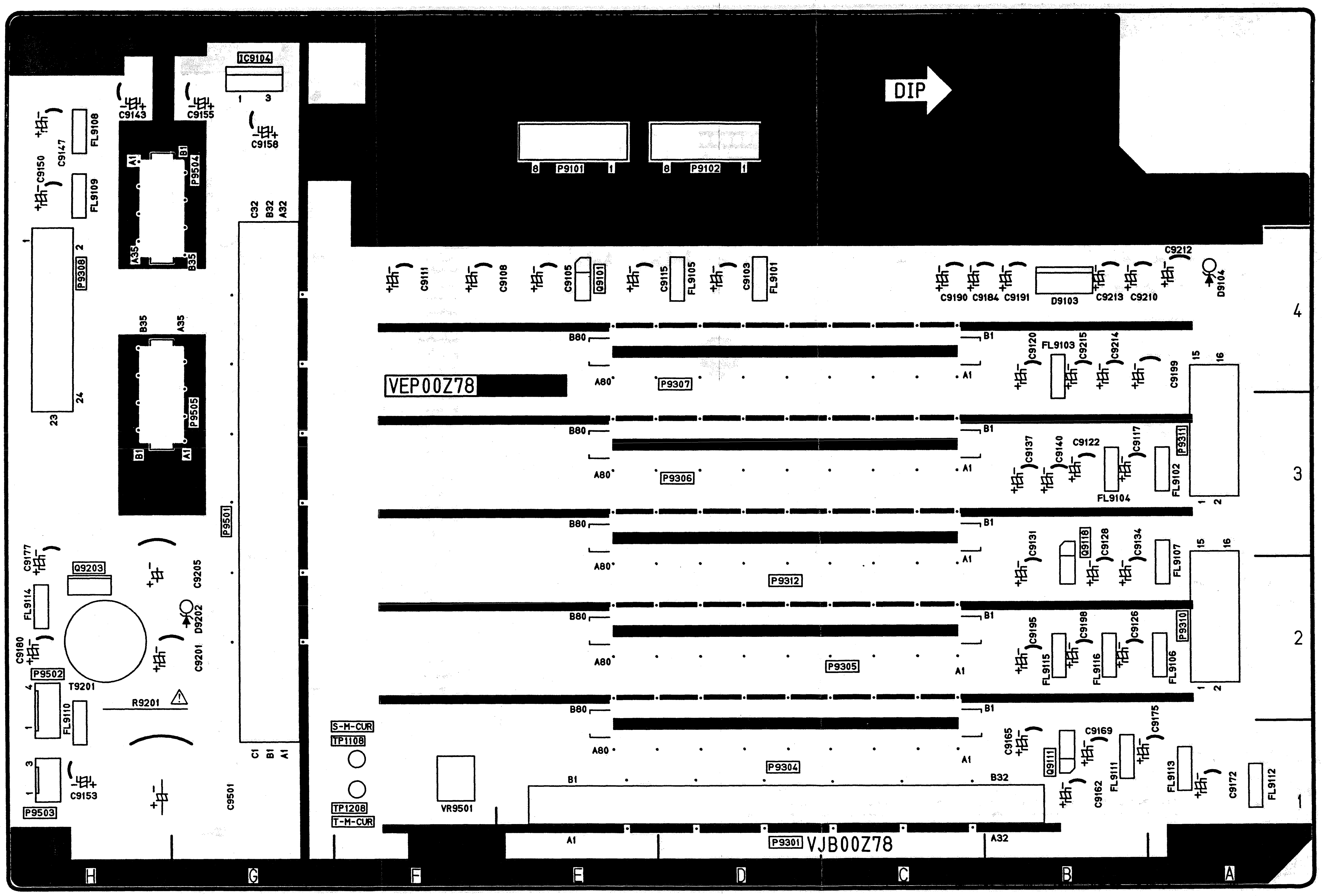
JAPAN ONLY

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

(FOIL SIDE)

REVERSE SIDE (COMPONENT SIDE)

MOTHER (VEP00Z78A) P.C. BOARD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C9155
C9158
C9150
C9147
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FL9109
P9504
P9505
P9308
P9501
P9101
P9102
VEP00Z78
P9307
P9306
P9312
P9305
P9304
P9301
VJB00Z78
P9311
P9310
C9111
C9108
C9105
Q9101
C9115
FL9105
C9103
FL9101
C9190
C9184
C9191
D9103
C9213
C9210
C9212
D9104
C9120
FL9103
C9215
C9214
C9199
C9137
C9140
C9122
C9117
FL9104
FL9102
C9131
Q9118
C9128
C9134
FL9107
C9195
C9198
C9126
FL9115
FL9116
FL9106
C9165
C9169
C9175
Q9111
C9162
FL9111
FL9113
C9172
FL9112
C9177
Q9203
C9205
FL9114
D9202
C9180
C9201
P9502
T9201
R9201
FL9110
C9153
P9503
C9501
S-M-CUR
TP1108
TP1208
T-M-CUR
VR9501
B80
A80
B1
A1
B32
A32
B35
A35
C32
C1
1
2
3
4
H
G
F
E
D
C
B
A

MOTHER-COMPONENT

REF	LOC
IC9104	G5
P9101	E5
P9102	D5
P9301	D1
P9304	D2
P9305	D2
P9306	D3
P9307	D4
P9308	H4
P9310	A2
P9311	A3
P9312	D3
P9501	G3
P9502	H2
P9503	H1
P9504	G5
P9505	G4
Q9101	E4
Q9111	B1
Q9118	B2
Q9203	H2
TP1108	F1
TP1208	F1
VR9501	F1

⚠ 警 告

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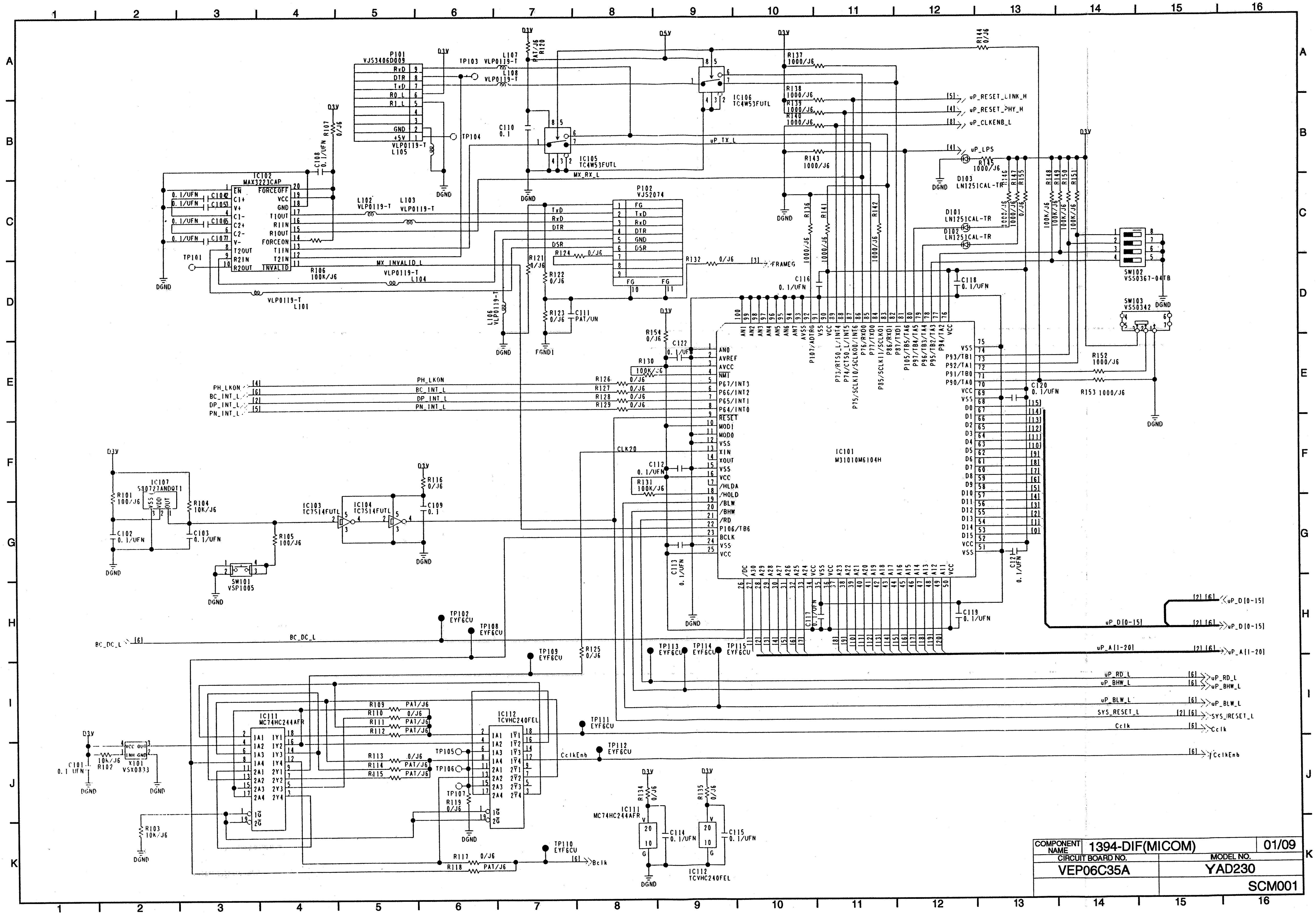
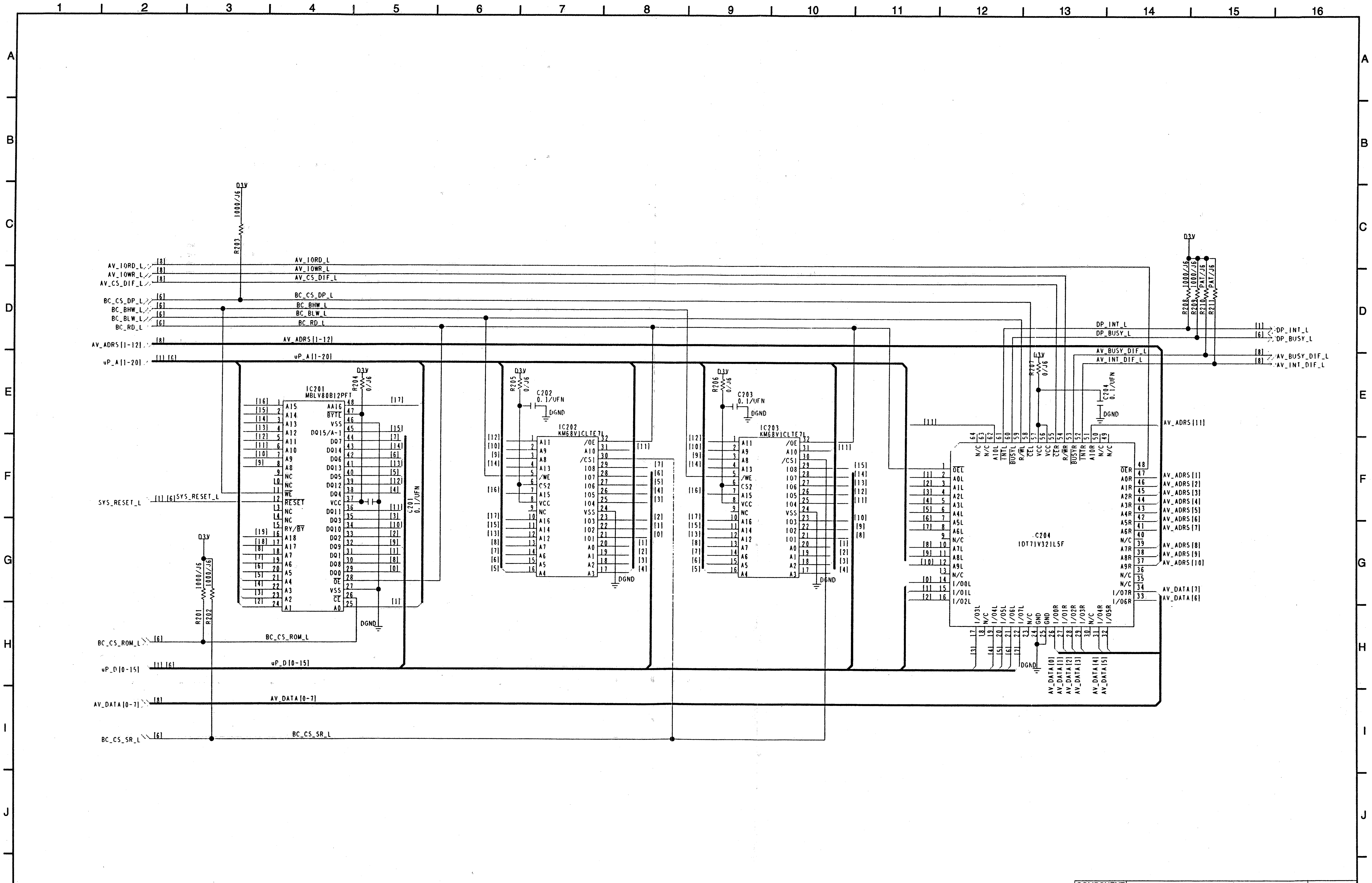
(COMPONENT SIDE)

REVERSE SIDE (FOIL SIDE)

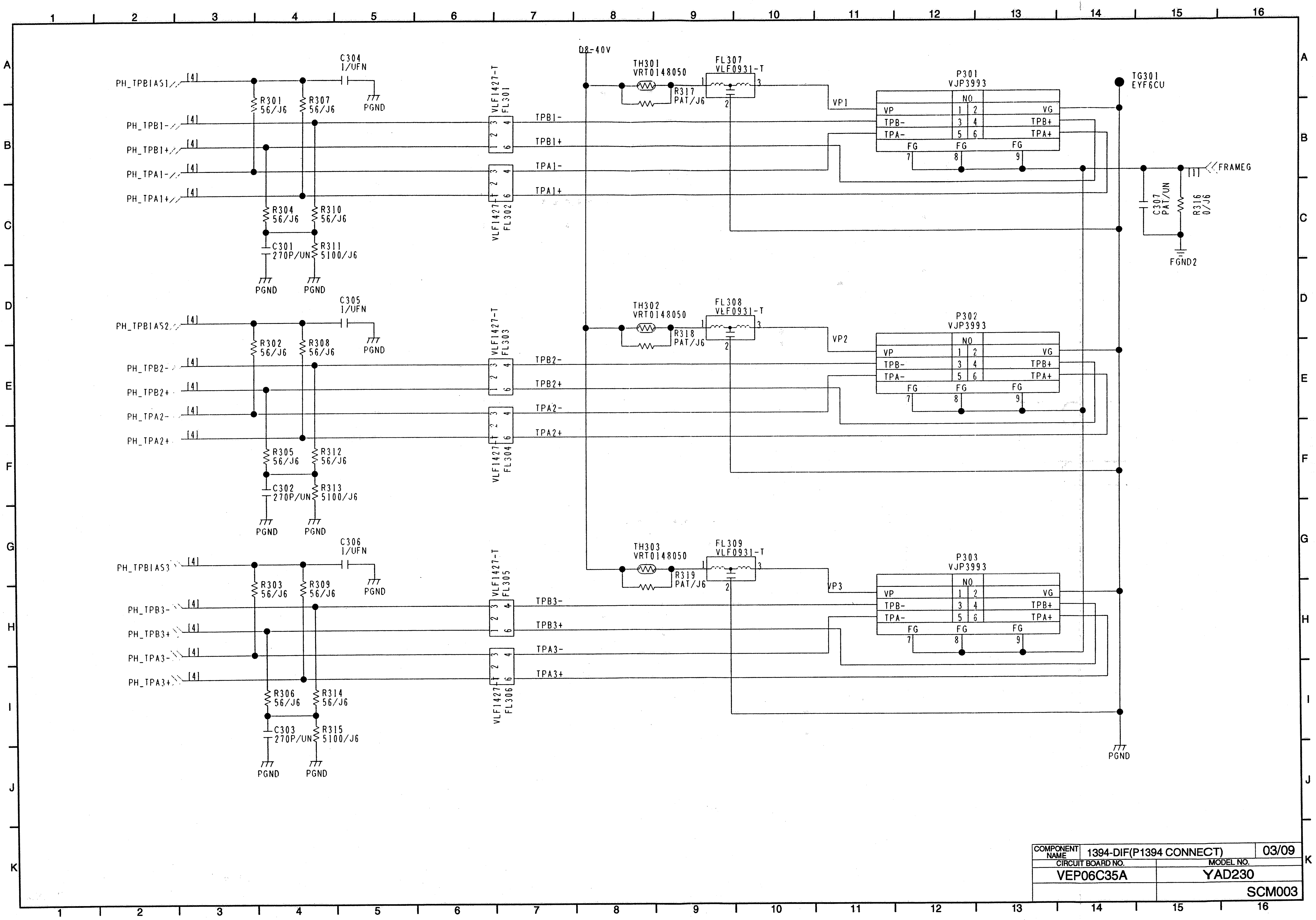
2. SCHEMATIC DIAGRAMS


IC101
M31010M6104H
IC102
MAX3223CAP
IC103
TC7S14FUTL
IC104
TC7S14FUTL
IC105
TC4W53FUTL
IC106
TC4W53FUTL
IC107
S80727ANDQT1
IC111
MC74HC244AFR
IC112
TCVHC240FEL
P101
VJS3406D009
P102
VJS2074
SW101
VSP1005
SW102
VSS0367-04TB
SW103
VSS0342
X101
VSX0833
D101
LN1251CAL-TR
D102
LN1251CAL-TR
D103
LN1251CAL-TR
D3V
D5V
DGND
FGND1
uP_RESET_LINK_H
uP_RESET_PHY_H
uP_CLKENB_L
uP_LPS
uP_TX_L
MX_RX_L
MX_INVALID_L
FRAMEG
PH_LKON
BC_INT_L
DP_INT_L
PN_INT_L
CLK20
BC_DC_L
uP_D[0-15]
uP_A[1-20]
uP_RD_L
uP_BHW_L
uP_BLW_L
SYS_RESET_L
Cclk
CclkEnb
Bclk

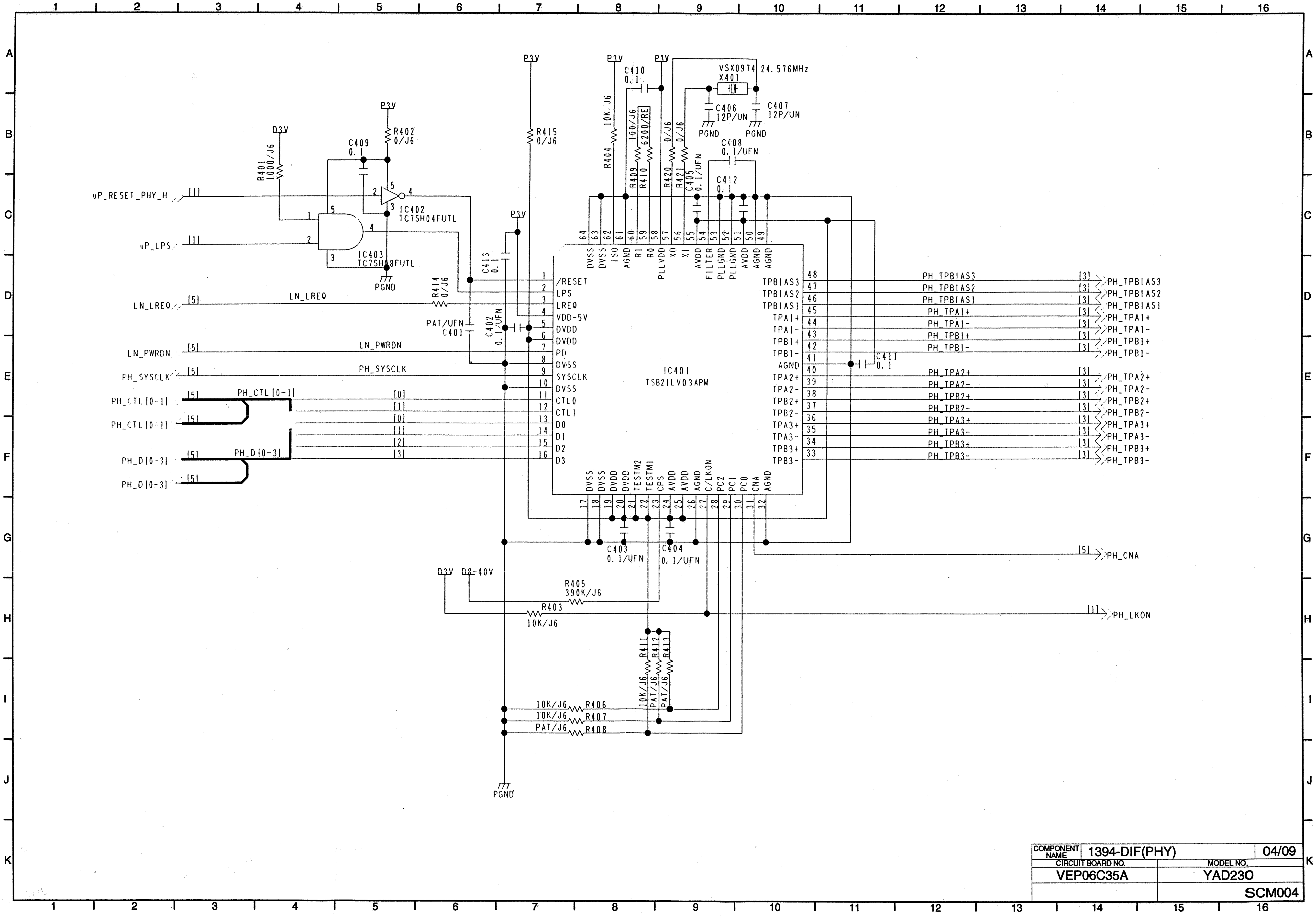
COMPONENT NAME	1394-DIF(MICOM)	01/09
CIRCUIT BOARD NO.		MODEL NO.
VEP06C35A		YAD230
		SCM001


AV_IORD_L
AV_IOWR_L
AV_CS_DIF_L
BC_CS_DP_L
BC_BHW_L
BC_BLW_L
BC_RD_L
AV_ADRS[1-12]
uP_A[1-20]
SYS_RESET_L
BC_CS_ROM_L
uP_D[0-15]
AV_DATA[0-7]
BC_CS_SR_L
D3V
R203
1000/J6
R201
R202
IC201
MBLV80B12PFT
R204
0/J6
C201
0.1/UFN
DGND
IC202
KM68V1CLTE7L
R205
C202
0.1/UFN
IC203
KM68V1CLTE7L
R206
C203
IC204
IDT71V321L5F
R207
C204
R208
R209
R210
R211
PAT/J6
DP_INT_L
DP_BUSY_L
AV_BUSY_DIF_L
AV_INT_DIF_L
AV_ADRS[11]
AV_DATA[7]
AV_DATA[6]

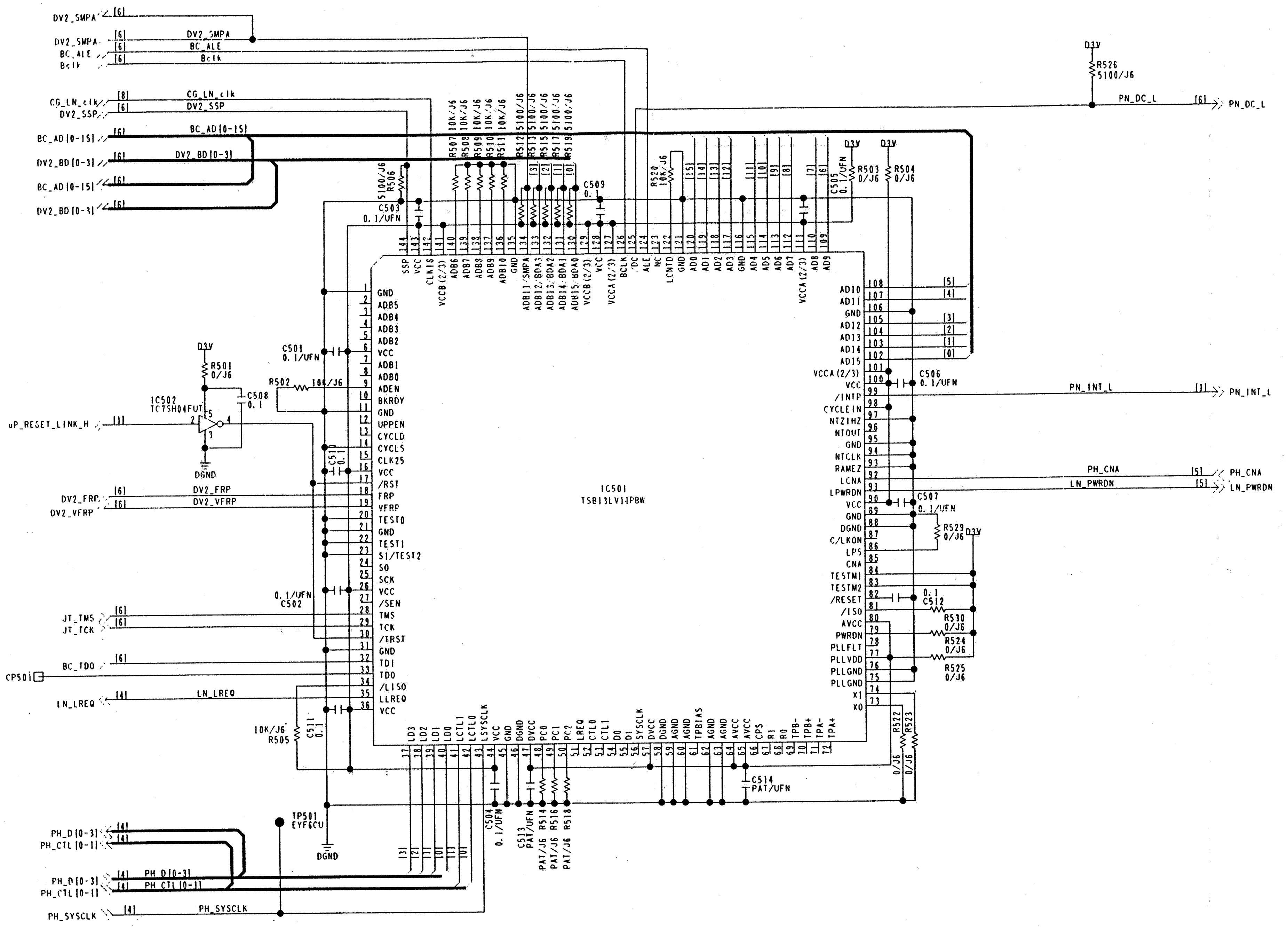
COMPONENT NAME	1394-DIF(MEMORY FOR MICOM)	02/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM002	


PH_TPBIAS1
PH_TPB1-
PH_TPB1+
PH_TPA1-
PH_TPA1+
[4]
C304
1/UFN
PGND
R301
56/J6
R307
56/J6
R304
56/J6
R310
56/J6
C301
270P/UN
R311
5100/J6
VLF1427-T
FL301
VLF1427-T
FL302
TPB1-
TPB1+
TPA1-
TPA1+
D8-40V
TH301
VRT0148050
R317
PAT/J6
FL307
VLF0931-T
VP1
P301
VJP3993
NO
VP
TPB-
TPA-
VG
TPB+
TPA+
FG
TG301
EYF6CU
FRAMEG
[1]
C307
PAT/UN
R316
0/J6
FGND2
PH_TPBIAS2
PH_TPB2-
PH_TPB2+
PH_TPA2-
PH_TPA2+
C305
1/UFN
R302
56/J6
R308
56/J6
R305
56/J6
R312
56/J6
C302
270P/UN
R313
5100/J6
FL303
FL304
TPB2-
TPB2+
TPA2-
TPA2+
TH302
VRT0148050
R318
PAT/J6
FL308
VLF0931-T
VP2
P302
VJP3993
PH_TPBIAS3
PH_TPB3-
PH_TPB3+
PH_TPA3-
PH_TPA3+
C306
1/UFN
R303
56/J6
R309
56/J6
R306
56/J6
R314
56/J6
C303
270P/UN
R315
5100/J6
FL305
FL306
TPB3-
TPB3+
TPA3-
TPA3+
TH303
VRT0148050
R319
PAT/J6
FL309
VLF0931-T
VP3
P303
VJP3993
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

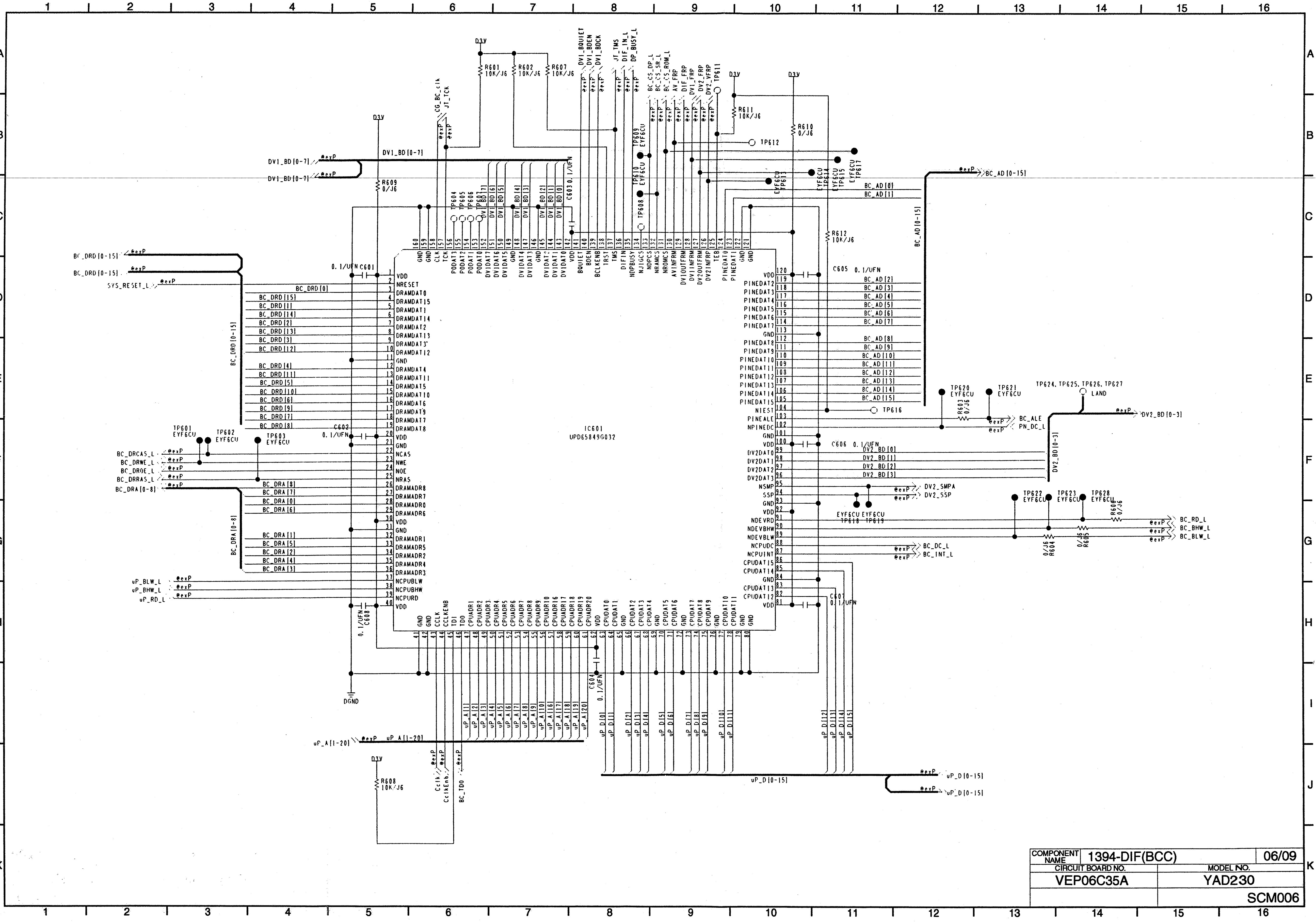
COMPONENT NAME	1394-DIF(P1394 CONNECT)	03/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM003	


uP_RESET_PHY_H [1]
uP_LPS [1]
LN_LREQ [5]
LN_PWRDN [5]
PH_SYSCLK [5]
PH_CTL[0-1] [5]
PH_CTL[0-1] [5]
PH_D[0-3] [5]
PH_D[0-3] [5]
LN_LREQ
LN_PWRDN
PH_SYSCLK
PH_CTL[0-1]
PH_D[0-3]
[0]
[1]
[0]
[1]
[2]
[3]
D3V
R401
1000/J6
P3V
R402
0/J6
C409
0.1
IC402
TC7SH04FUTL
IC403
TC7SH08FUTL
PGND
R414
0/J6
C413
0.1
P3V
R415
0/J6
PAT/UFN
C401
C402
0.1/UFN
P3V
P3V
P3V
C410
0.1
R404
10K.J6
R409
100/J6
R410
6200/RE
R420
0/J6
R421
0/J6
C405
0.1/UFN
VSX0974 24.576MHz
X401
C406
12P/UN
C407
12P/UN
PGND
PGND
C408
0.1/UFN
C412
0.1
IC401
TSB21LV03APM
/RESET
LPS
LREQ
VDD-5V
DVDD
DVDD
PD
DVSS
SYSCLK
DVSS
CTL0
CTL1
D0
D1
D2
D3
DVSS
DVSS
ISO
AGND
R1
R0
PLLVDD
X0
X1
AVDD
FILTER
PLLGND
PLLGND
AVDD
AGND
AGND
TPBIAS3
TPBIAS2
TPBIAS1
TPA1+
TPA1-
TPB1+
TPB1-
AGND
TPA2+
TPA2-
TPB2+
TPB2-
TPA3+
TPA3-
TPB3+
TPB3-
DVSS
DVSS
DVDD
DVDD
TESTM2
TESTM1
CPS
AVDD
AVDD
AGND
C/LKON
PC2
PC1
PC0
CNA
AGND
C411
0.1
PH_TPBIAS3 [3] PH_TPBIAS3
PH_TPBIAS2 [3] PH_TPBIAS2
PH_TPBIAS1 [3] PH_TPBIAS1
PH_TPA1+ [3] PH_TPA1+
PH_TPA1- [3] PH_TPA1-
PH_TPB1+ [3] PH_TPB1+
PH_TPB1- [3] PH_TPB1-
PH_TPA2+ [3] PH_TPA2+
PH_TPA2- [3] PH_TPA2-
PH_TPB2+ [3] PH_TPB2+
PH_TPB2- [3] PH_TPB2-
PH_TPA3+ [3] PH_TPA3+
PH_TPA3- [3] PH_TPA3-
PH_TPB3+ [3] PH_TPB3+
PH_TPB3- [3] PH_TPB3-
[5] PH_CNA
[1] PH_LKON
C403
0.1/UFN
C404
0.1/UFN
D3V
D8-40V
R405
390K/J6
R403
10K/J6
R411
10K/J6
R412
PAT/J6
R413
PAT/J6
10K/J6 R406
10K/J6 R407
PAT/J6 R408
PGND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

COMPONENT NAME	1394-DIF(PHY)	04/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM004	


DV2_SMPA
DV2_SMPA
BC_ALE
Bclk
CG_LN_clk
DV2_SSP
BC_AD[0-15]
DV2_BD[0-3]
BC_AD[0-15]
DV2_BD[0-3]
uP_RESET_LINK_H
IC502
TC7SH04FUT
R501
0/J6
C508
0.1
C501
0.1/UFN
R502
100/J6
C503
0.1/UFN
R506
5100/J6
C509
R520
10K/J6
R503
0/J6
R504
0/J6
C505
0.1/UFN
D3V
R526
5100/J6
PN_DC_L
C506
0.1/UFN
PN_INT_L
PH_CNA
LN_PWRDN
C507
0.1/UFN
R529
0/J6
C512
0.1
R530
0/J6
R524
0/J6
R525
0/J6
R522
R523
0/J6
C514
PAT/UFN
IC501
TSB13LV11PBW
DV2_FRP
DV2_VFRP
C510
0.1
C502
0.1/UFN
JT_TMS
JT_TCK
BC_TDO
CP501
LN_LREQ
R505
10K/J6
C511
0.1
C504
0.1/UFN
C513
PAT/UFN
R514
R516
R518
PAT/J6
TP501
EYF6CU
DGND
PH_D[0-3]
PH_CTL[0-1]
PH_SYSCLK

COMPONENT NAME	1394-DIF(PINE)	05/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM005	

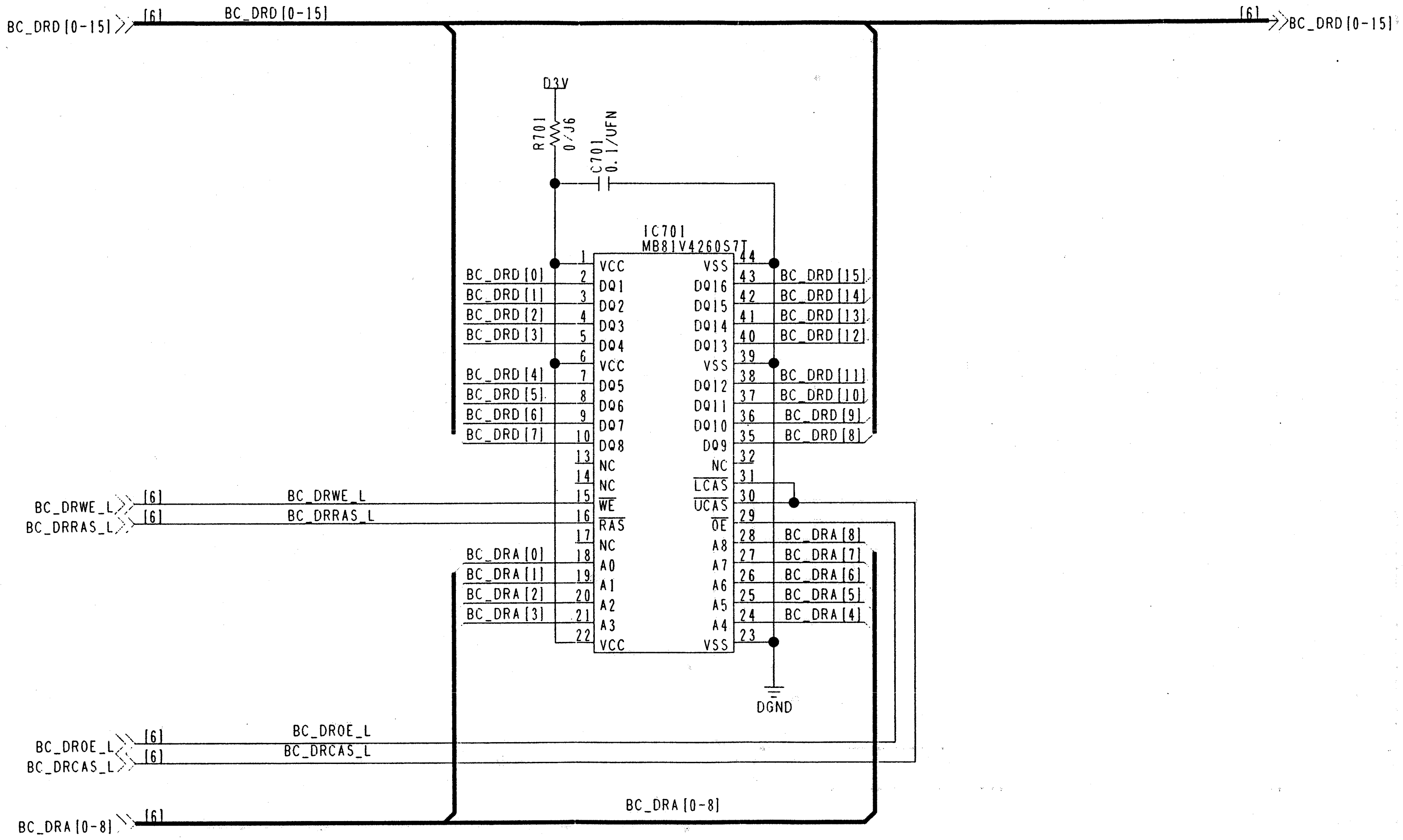

IC601
UPD65849G032
D3V
R601 10K/J6
R602 10K/J6
R607 10K/J6
R608 10K/J6
R609 0/J6
R610 0/J6
R611 10K/J6
R612 10K/J6
R603 0/J6
R604 0/J6
R605 0/J6
R606 0/J6
C601 0.1/UFN
C602 0.1/UFN
C603 0.1/UFN
C604 0.1/UFN
C605 0.1/UFN
C606 0.1/UFN
C607 0.1/UFN
C608 0.1/UFN
DV1_BD[0-7]
BC_DRD[0-15]
SYS_RESET_L
BC_DRCAS_L
BC_DRWE_L
BC_DROE_L
BC_DRRAS_L
BC_DRA[0-8]
uP_BLW_L
uP_BHW_L
uP_RD_L
uP_A[1-20]
uP_D[0-15]
BC_AD[0-15]
BC_ALE
PN_DC_L
DV2_BD[0-3]
DV2_SMPA
DV2_SSP
BC_RD_L
BC_BHW_L
BC_BLW_L
BC_DC_L
BC_INT_L
CG_BC_clk
JT_TCK
DV1_BDUIET
DV1_BDEN
DV1_BDCK
JT_TMS
DIF_IN_L
DP_BUSY_L
BC_CS_DP_L
BC_CS_SR_L
BC_CS_ROM_L
AV_FRP
DIF_FRP
DV1_FRP
DV2_FRP
DV2_VFRP
Cclk
CclkEnb
BC_TDO
TP601 EYF6CU
TP602 EYF6CU
TP603 EYF6CU
TP604
TP605
TP606
TP607
TP608
TP609 EYF6CU
TP610 EYF6CU
TP611
TP612
TP613 EYF6CU
TP614 EYF6CU
TP615 EYF6CU
TP616
TP617
TP618 EYF6CU
TP619 EYF6CU
TP620 EYF6CU
TP621 EYF6CU
TP622 EYF6CU
TP623 EYF6CU
TP624, TP625, TP626, TP627
LAND
TP628 EYF6CU
DGND
@exP

COMPONENT NAME 1394-DIF(BCC) 06/09

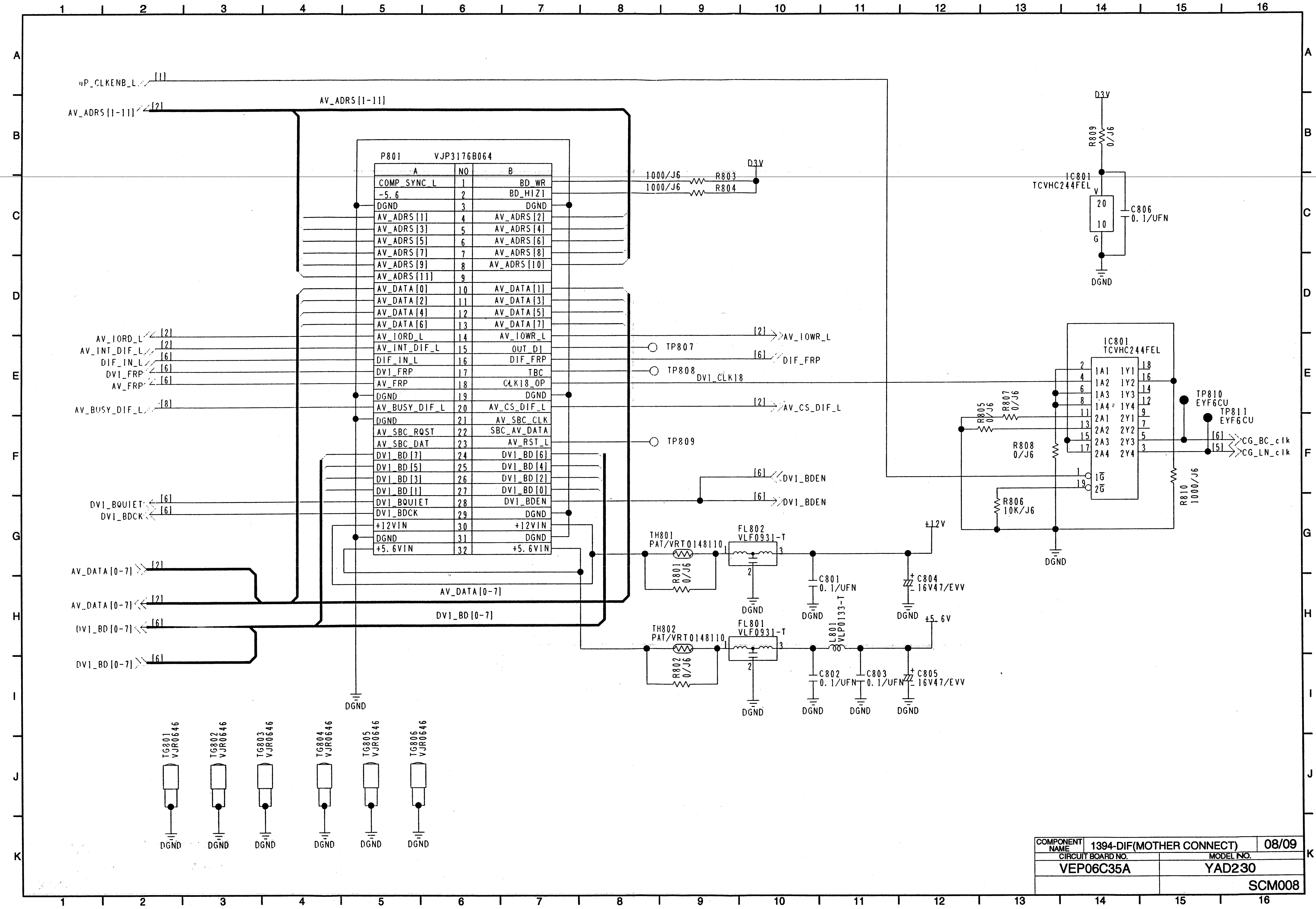
CIRCUIT BOARD NO. VEP06C35A

MODEL NO. YAD230

SCM006

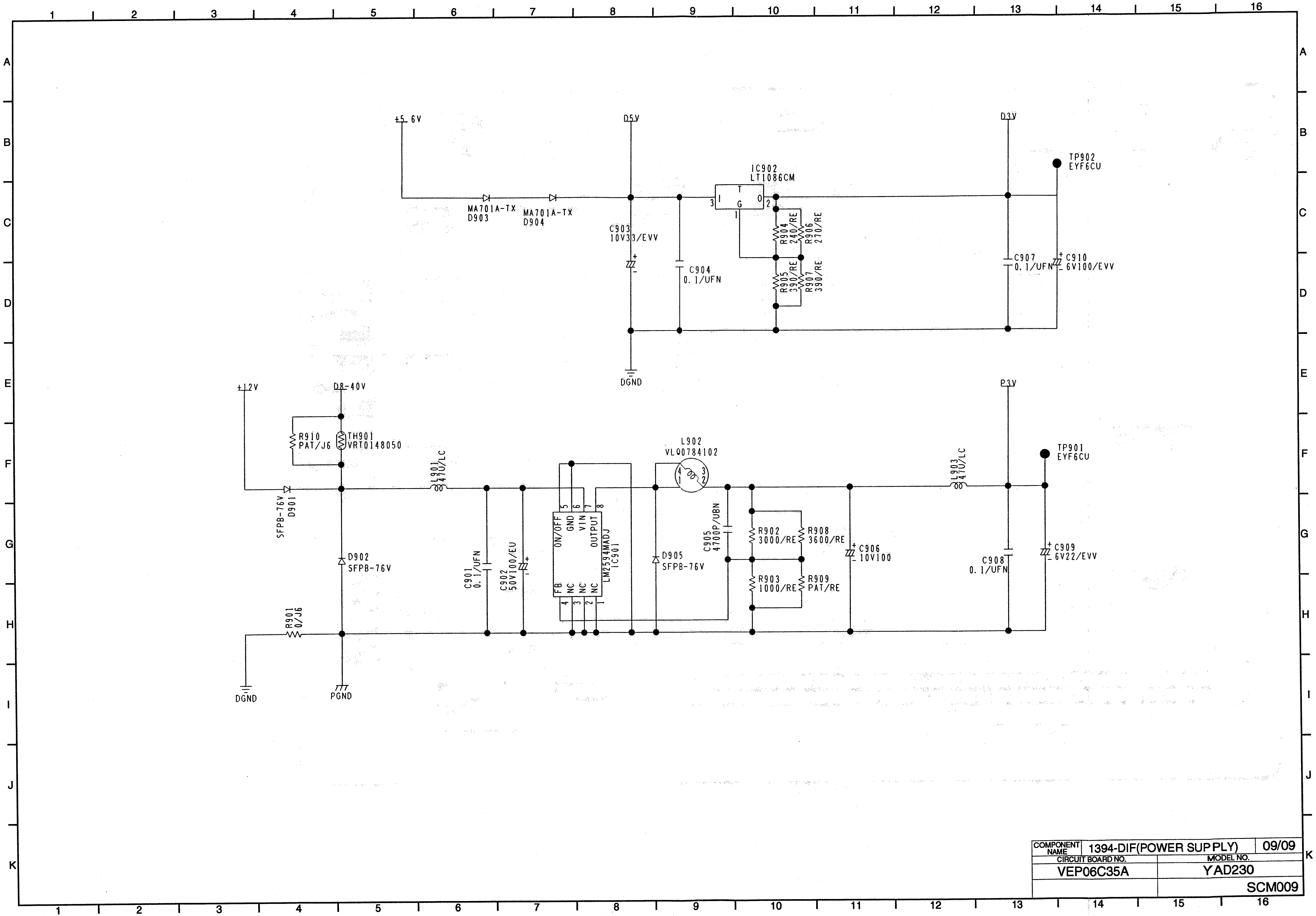

BC_DRD [0-15]
[6]
BC_DRD [0-15]
[6]
BC_DRD [0-15]
D3V
R701
0/J6
C701
0.1/UFN
IC701
MB81V4260S7T
BC_DRD [0]
BC_DRD [1]
BC_DRD [2]
BC_DRD [3]
BC_DRD [4]
BC_DRD [5]
BC_DRD [6]
BC_DRD [7]
BC_DRD [15]
BC_DRD [14]
BC_DRD [13]
BC_DRD [12]
BC_DRD [11]
BC_DRD [10]
BC_DRD [9]
BC_DRD [8]
VCC
DQ1
DQ2
DQ3
DQ4
VCC
DQ5
DQ6
DQ7
DQ8
NC
NC
WE
RAS
NC
A0
A1
A2
A3
VCC
VSS
DQ16
DQ15
DQ14
DQ13
VSS
DQ12
DQ11
DQ10
DQ9
NC
LCAS
UCAS
OE
A8
A7
A6
A5
A4
VSS
1
2
3
4
5
6
7
8
9
10
13
14
15
16
17
18
19
20
21
22
44
43
42
41
40
39
38
37
36
35
32
31
30
29
28
27
26
25
24
23
BC_DRWE_L
[6]
BC_DRWE_L
BC_DRRAS_L
[6]
BC_DRRAS_L
BC_DRA [0]
BC_DRA [1]
BC_DRA [2]
BC_DRA [3]
BC_DRA [8]
BC_DRA [7]
BC_DRA [6]
BC_DRA [5]
BC_DRA [4]
DGND
BC_DROE_L
[6]
BC_DROE_L
BC_DRCAS_L
[6]
BC_DRCAS_L
BC_DRA [0-8]
[6]
BC_DRA [0-8]

COMPONENT NAME	1394-DIF(DRAM FOR BCC)	07/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM007	



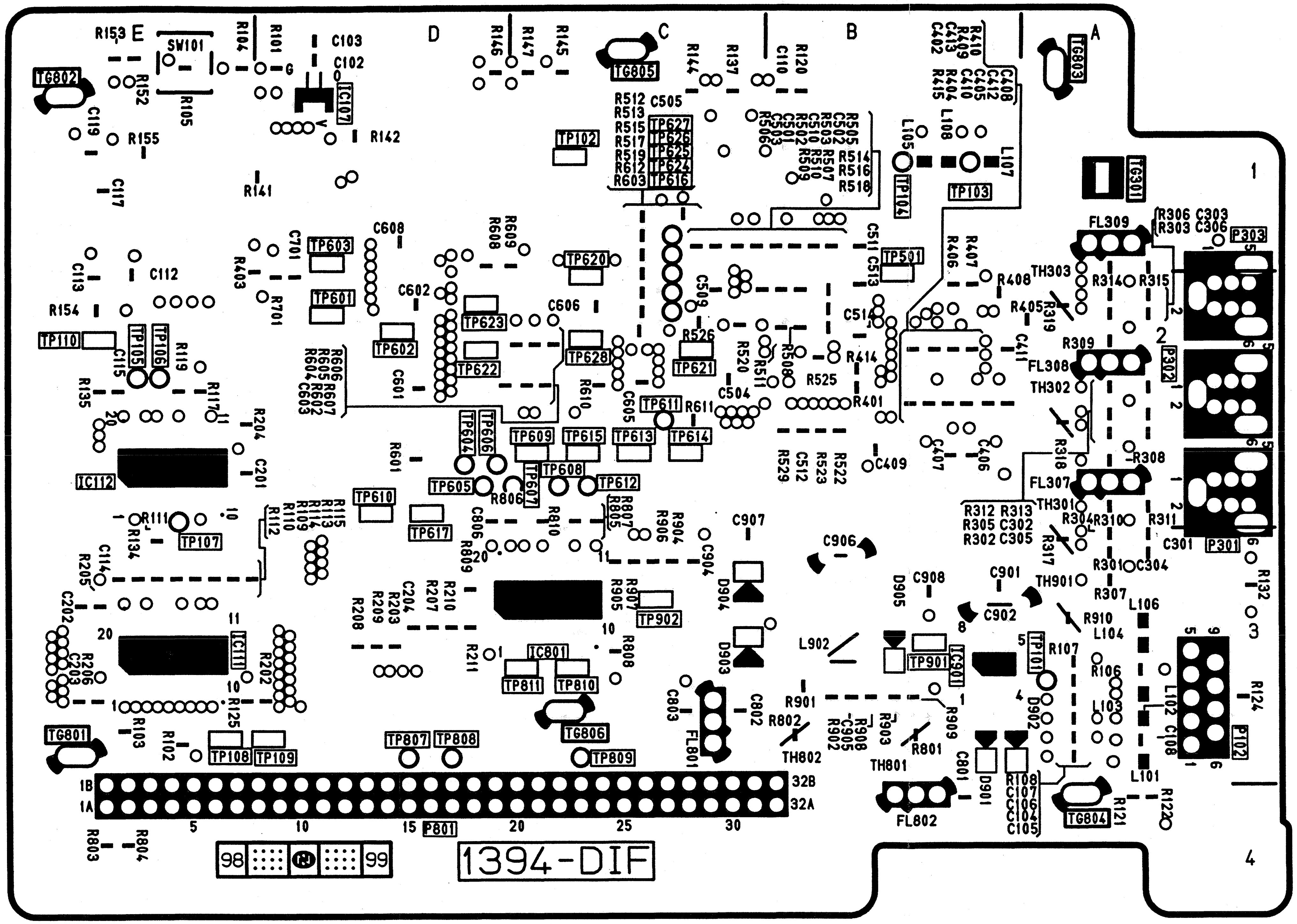
µP_CLKENB_L
AV_ADRS[1-11]
P801 VJP3176B064
COMP_SYNC_L
BD_WR
-5.6
BD_HIZ1
DGND
AV_ADRS[1]
AV_ADRS[2]
AV_ADRS[3]
AV_ADRS[4]
AV_ADRS[5]
AV_ADRS[6]
AV_ADRS[7]
AV_ADRS[8]
AV_ADRS[9]
AV_ADRS[10]
AV_ADRS[11]
AV_DATA[0]
AV_DATA[1]
AV_DATA[2]
AV_DATA[3]
AV_DATA[4]
AV_DATA[5]
AV_DATA[6]
AV_DATA[7]
AV_IORD_L
AV_IOWR_L
AV_INT_DIF_L
OUT_D1
DIF_IN_L
DIF_FRP
DV1_FRP
TBC
AV_FRP
CLK18_OP
AV_BUSY_DIF_L
AV_CS_DIF_L
AV_SBC_CLK
AV_SBC_RQST
SBC_AV_DATA
AV_SBC_DAT
AV_RST_L
DV1_BD[0]
DV1_BD[1]
DV1_BD[2]
DV1_BD[3]
DV1_BD[4]
DV1_BD[5]
DV1_BD[6]
DV1_BD[7]
DV1_BQUIET
DV1_BDEN
DV1_BDCK
+12VIN
+5.6VIN
AV_DATA[0-7]
DV1_BD[0-7]
D3V
R803 1000/J6
R804 1000/J6
TP807
TP808
TP809
DV1_CLK18
TH801 PAT/VRT0148110
TH802 PAT/VRT0148110
FL802 VLF0931-T
FL801 VLF0931-T
R801 0/J6
R802 0/J6
L801 VLP0133-T
C801 0.1/UFN
C802 0.1/UFN
C803 0.1/UFN
C804 16V47/EVV
C805 16V47/EVV
+12V
+5.6V
DGND
R809 0/J6
IC801 TCVHC244FEL
C806 0.1/UFN
R805 0/J6
R807 0/J6
R808 0/J6
R806 10K/J6
R810 1000/J6
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
1G 2G
TP810 EYF6CU
TP811 EYF6CU
CG_BC_clk
CG_LN_clk
TG801 VJR0646
TG802 VJR0646
TG803 VJR0646
TG804 VJR0646
TG805 VJR0646
TG806 VJR0646

COMPONENT NAME	1394-DIF(MOTHER CONNECT)	08/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM008	


+5.6V
D5V
D3V
TP902
EYF6CU
IC902
LT1086CM
MA701A-TX
D903
MA701A-TX
D904
C903
10V33/EVV
C904
0.1/UFN
R904
240/RE
R906
270/RE
R905
390/RE
R907
390/RE
C907
0.1/UFN
C910
6V100/EVV
DGND
+12V
D8-40V
P3V
R910
PAT/J6
TH901
VRT0148050
L901
470/LC
L902
VLQ0784102
L903
470/LC
TP901
EYF6CU
SFPB-76V
D901
D902
SFPB-76V
C901
0.1/UFN
C902
50V100/EU
ON/OFF
GND
VIN
OUTPUT
FB
NC
NC
NC
LM2594MADJ
IC901
D905
SFPB-76V
C905
4700P/UBN
R902
3000/RE
R908
3600/RE
R903
1000/RE
R909
PAT/RE
C906
10V100
C908
0.1/UFN
C909
6V22/EVV
R901
0/J6
DGND
PGND

COMPONENT NAME	1394-DIF(POWER SUPPLY)	09/09
CIRCUIT BOARD NO.	MODEL NO.	
VEP06C35A	YAD230	
	SCM009	

3. 1394-DIF P.C. BOARD (VEP06C35A) FOIL SIDE

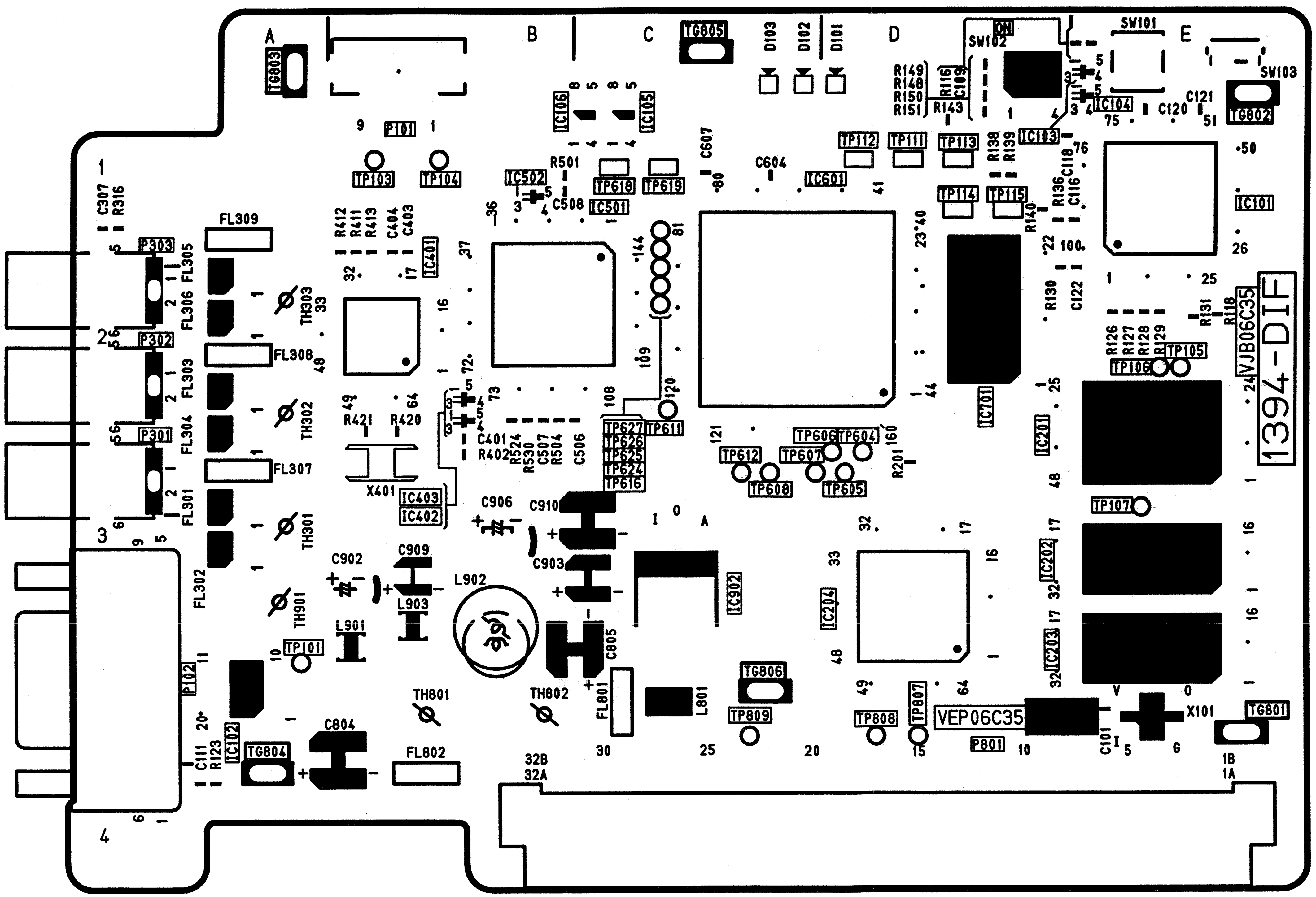

A
B
C
D
E
1
2
3
4
1394-DIF
98
99
SW101
IC107
IC111
IC112
IC801
IC901
P102
P301
P302
P303
P801
TG301
TG801
TG802
TG803
TG804
TG805
TG806
FL307
FL308
FL309
FL801
FL802
1B
1A
32B
32A
5
10
15
20
25
30

(FOIL SIDE)

DIF-FOIL

REF	LOC	REF	LOC
IC107	D1	TP604	D2
IC111	E3	TP605	D2
IC112	E2	TP606	D2
IC801	C3	TP607	C2
IC901	B3	TP608	C2
P102	A3	TP609	C2
P301	A3	TP610	D2
P302	A2	TP611	C2
P303	A1	TP612	C2
P801	D4	TP613	C2
TG301	A1	TP614	C2
TG801	E3	TP615	C2
TG802	E1	TP616	C1
TG803	A1	TP617	D2
TG804	A4	TP620	C1
TG805	C1	TP621	C2
TG806	C3	TP622	D2
TP101	A3	TP623	D2
TP102	C1	TP624	C1
TP103	B1	TP625	C1
TP104	B1	TP626	C1
TP105	E2	TP627	C1
TP106	E2	TP628	C2
TP107	E3	TP807	D3
TP108	E3	TP808	D3
TP109	D3	TP809	C3
TP110	E2	TP810	C3
TP501	B1	TP811	C3
TP601	D2	TP901	B3
TP602	D2	TP902	C3
TP603	D1		

4. 1394-DIF P.C. BOARD (VEP06C35A) COMPONENT SIDE

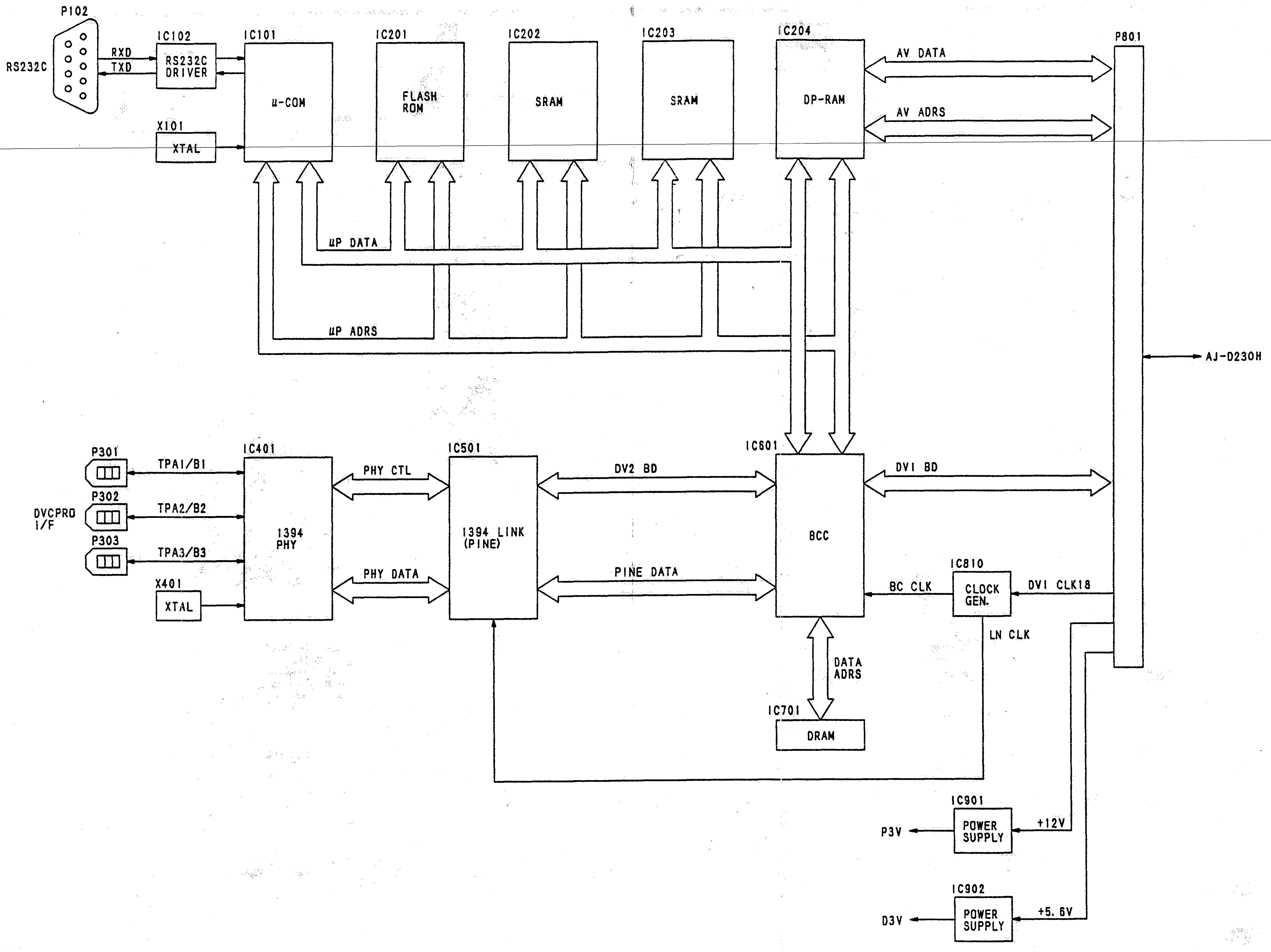

A
B
C
D
E
1
2
3
4
TG805
TG803
TG802
TG801
TG804
TG806
D103
D102
D101
SW101
SW102
SW103
ON
IC101
IC103
IC104
IC105
IC106
IC201
IC202
IC203
IC204
IC401
IC402
IC403
IC501
IC502
IC601
IC701
IC902
IC102
P101
P102
P301
P302
P303
P801
TP101
TP103
TP104
TP105
TP106
TP107
TP111
TP112
TP113
TP114
TP115
TP604
TP605
TP606
TP607
TP608
TP611
TP612
TP616
TP618
TP619
TP624
TP625
TP626
TP627
TP807
TP808
TP809
FL301
FL302
FL303
FL304
FL305
FL306
FL307
FL308
FL309
FL801
FL802
TH301
TH302
TH303
TH801
TH802
TH901
L801
L901
L902
L903
C101
C111
C116
C118
C119
C120
C121
C122
C307
C401
C403
C404
C506
C507
C508
C604
C607
C804
C805
C902
C903
C906
C909
C910
R116
R118
R123
R126
R127
R128
R129
R130
R131
R136
R138
R139
R140
R143
R148
R149
R150
R151
R201
R316
R402
R411
R412
R413
R420
R421
R501
R504
R524
R530
X101
X401
VEP06C35
VJB06C35
1394-DIF
32B
32A
1B
1A
30
25
20
15
10
5

(COMPONENT SIDE)

DIF-COMPONENT

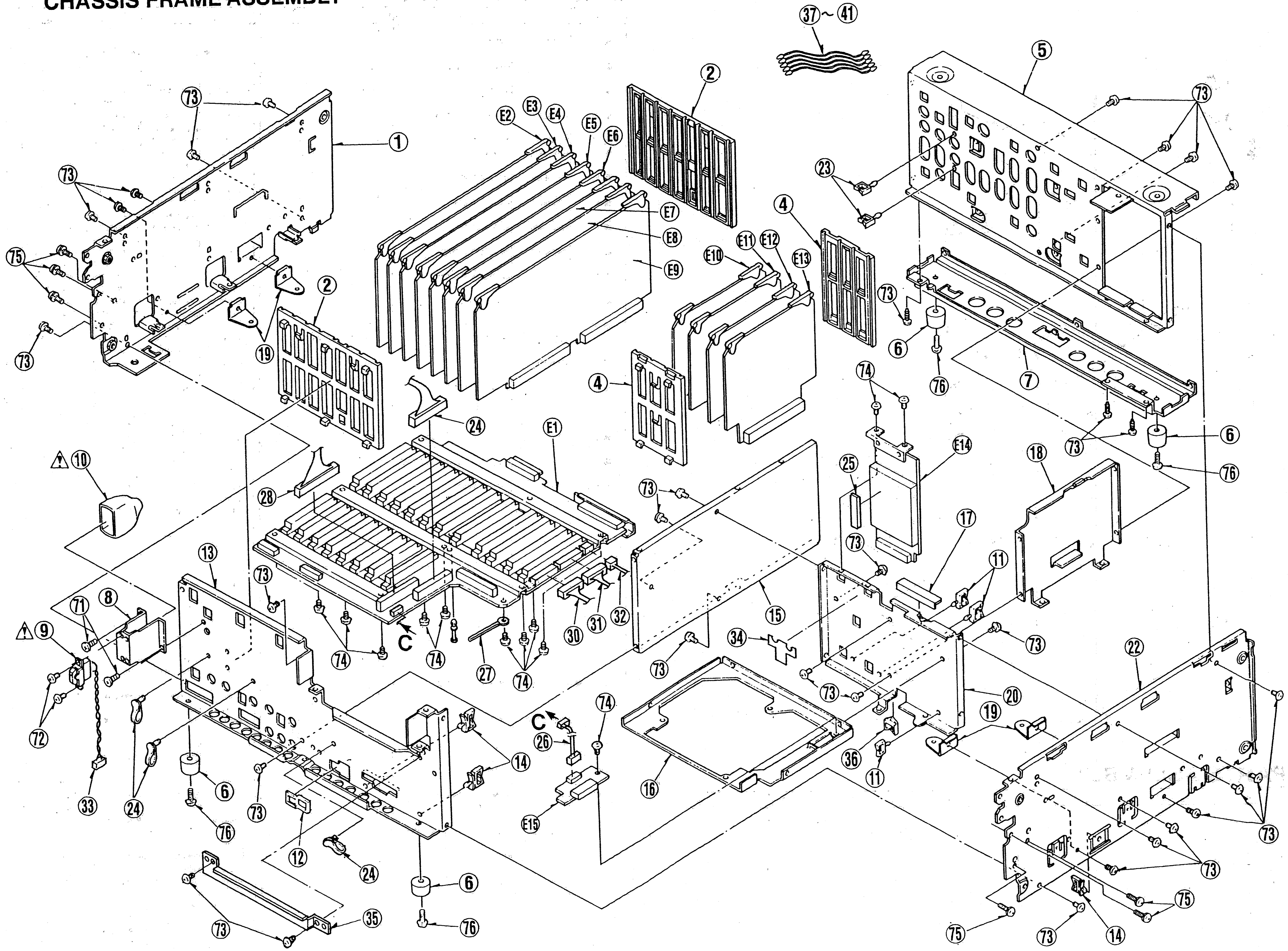
REF	LOC	REF	LOC
IC101	E1	TG805	C1
IC102	A3	TG906	C3
IC103	D1	TP101	A3
IC104	E1	TP103	B1
IC105	C1	TP104	B1
IC106	B1	TP105	E2
IC201	D2	TP106	E2
IC202	D2	TP107	E2
IC203	D2	TP111	D1
IC204	D3	TP112	D1
IC401	B1	TP113	D1
IC402	B2	TP114	D1
IC403	B2	TP115	D1
IC501	C1	TP604	D2
IC502	B1	TP605	D2
IC601	D1	TP606	D2
IC701	D2	TP607	C2
IC902	C3	TP608	C2
P101	B1	TP611	C2
P102	A3	TP612	C2
P301	A2	TP616	C2
P302	A2	TP618	C1
P303	A1	TP619	C1
P801	D3	TP624	C2
SW101	E1	TP625	C2
SW102	D1	TP626	C2
SW103	E1	TP627	C2
TG801	E3	TP807	D3
TG802	E1	TP808	D3
TG803	A1	TP809	C3
TG804	A3		

5. 1394-DIF OVERALL BLOCK DIAGRAM


P102
RS232C
RXD
TXD
IC102
RS232C DRIVER
X101
XTAL
IC101
μ-COM
IC201
FLASH ROM
IC202
SRAM
IC203
SRAM
IC204
DP-RAM
AV DATA
AV ADRS
P801
μP DATA
μP ADRS
AJ-D230H
P301
P302
P303
DVCPRO I/F
TPA1/B1
TPA2/B2
TPA3/B3
X401
XTAL
IC401
1394 PHY
PHY CTL
PHY DATA
IC501
1394 LINK (PINE)
DV2 BD
PINE DATA
IC601
BCC
DV1 BD
IC810
CLOCK GEN.
BC CLK
DVI CLK18
LN CLK
DATA ADRS
IC701
DRAM
IC901
POWER SUPPLY
P3V
+12V
IC902
POWER SUPPLY
D3V
+5.6V

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

CHASSIS FRAME ASSEMBLY



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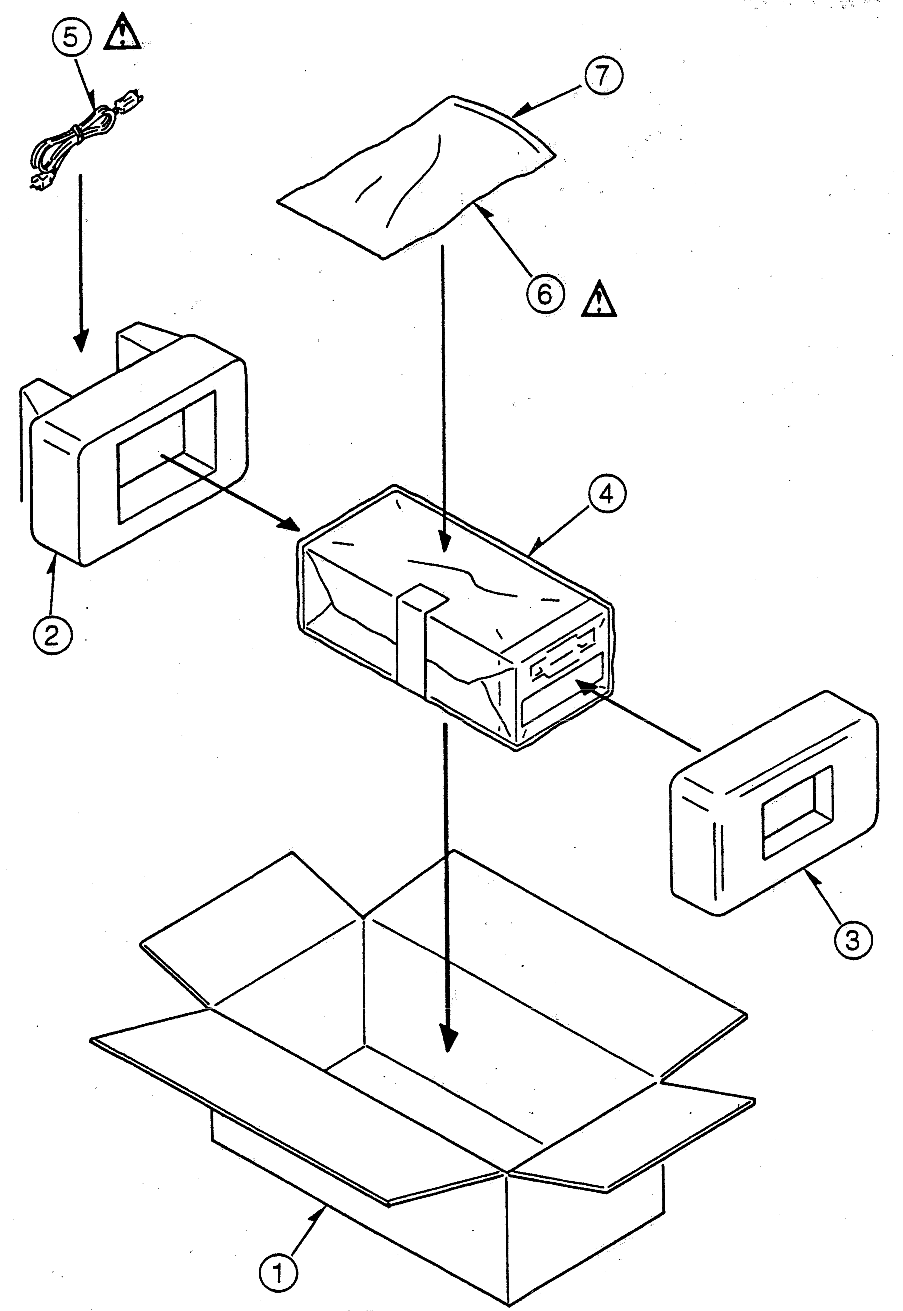
E14
E15
C
C

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

PACKING PARTS ASSEMBLY



PACKING PARTS ASSEMBLY

AJ-D230HP

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VPG9598	PACKING CASE	1	
2	VPN4611	CUSHION (R)	1	
3	VPN4610	CUSHION (L)	1	
4	VPF0230	POLYETHYLENE BAG	1	
⚠ 5	VJA0488	POWER CODE	1	
⚠ 6	VQT7626	OPERATING INSTRUCTIONS	1	
7	VXF0159	E.EJECT ASS'Y	1	

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP01791A	POWER 1 P.C.BOARD	1	(RTL)
■ E2	VEP01792A	POWER 2 P.C.BOARD	1	(RTL)
■ E3	VEP00Z78A	MOTHER P.C.BOARD	1	(RTL)
■ E4	VEP03E54B	VIDEO I/O P.C.BOARD	1	(RTL)
■ E5	VEP03D94C	DIGITAL P.C.BOARD	1	(RTL)
■	VEP00Z87A	DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP03D94C
■ E6	VEP03E12B	TBC P.C.BOARD	1	(RTL)
■ E7	VEP04668A	AUDIO P.C.BOARD	1	(RTL)
■ E8	VEP05348B	RE P.C.BOARD	1	(RTL)
■ E9	VEP06B93B	RS-232C P.C.BOARD	1	(RTL)
■ E10	VEP06C83A	AV SYSCON P.C.BOARD	1	(RTL)
■ E11	VEP03D92A	REAR J P.C.BOARD	1	(RTL)
■ E12	VEP06B94A	FRONT P.C.BOARD	1	(RTL)
■	VEP00Y35A	REMOTE P.C.BOARD	1	(RTL)FOR VEP06B94A
■ E13	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E14	VEK7793	MOTOR P.C.BOARD	1	(RTL)
■ E15	VEP02545G	SERVO P.C.BOARD	1	(RTL)
■ E16	VEK7691	LED HOLDER P.C.BOARD	1	(RTL)
■ E17	VEK7726	REEL DRIVE SENSOR P.C.BOARD	1	(RTL)
■ E18	VEP00Y68A	FFC P.C.BOARD	1	(RTL)
■	VEP01791A	POWER 1 P.C.BOARD	1	(RTL)
⚠ C1101,02	ECQU2A224MV	P.CAPACITOR 100V 0.22U	2	
⚠ F1101	XBA1C25NB5	FUSE	1	
⚠ L1101	ELF18D602	FILTER	1	
P1101	VJS2985	CONNECTOR (FEMALE)	1	
P1102	VJP2639	CONNECTOR (MALE)	1	
⚠ R1101	ERC12GM334	S.RESISTOR 1/2W 330K	1	
		MISCELLANEOUS		
	VJF0867	CONNECTOR SPACER	1	
	VEE9627	WIRE CABLE	1	
⚠	VMZ0429	COVER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP01792A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1001,02	VCK0260M222A	C.CAPACITOR 2200P	2	
⚠ C1003	ECQU2A224MV	P.CAPACITOR 100V 0.22U	1	
⚠ C1004	VCK0260M102A	C.CAPACITOR 1000P	1	
C1006	ECEC2GB221D	E.CAPACITOR 400V 220U	1	
C1007	VCK0106K151	C.CAPACITOR 150P	1	
C1008	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1010	ECA1VXLV470	E.CAPACITOR 35V 47U	1	
C1011	ECA0GXLV331	E.CAPACITOR 4V 330U	1	
C1012	ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C1013	ECKF1H271KB	C.CAPACITOR 50V 270P	1	
C1020	EEUFA1E681E	E.CAPACITOR 25V 680P	1	
C1021,22	EEUFA1A562E	E.CAPACITOR 10V 5600U	2	
C1023	EEUFA1A122E	E.CAPACITOR 10V 1200U	1	
C1024	EEUFA1E471E	E.CAPACITOR 25V 470U	1	
C1025	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C1026	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1027-29	ECA1CHG101	E.CAPACITOR 16V 100U	3	
C1030,31	ECA1EHG101	E.CAPACITOR 25V 100U	2	
C1032	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1033	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1034-37	ECKD2H101KB	C.CAPACITOR 500V 100P	4	
C1038	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C1039	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
D1001	D3SBA60	DIODE	1	
D1003	AP01C	DIODE	1	
D1004	ERA22-02	DIODE	1	
D1005	MA4240-L	DIODE	1	
D1006	MA723VT	DIODE	1	
D1010	RL4Z	DIODE	1	
D1011	FMB-24H	DIODE	1	
D1012	31DQ04	DIODE	1	
D1013	RL2ZP	DIODE	1	
D1014	MA4130L	DIODE	1	
D1016	31DQ04	DIODE	1	
⚠ IC1001	STRM6545	IC	1	
IC1002	UPC1093J	IC	1	
IC1003	AN7912F	IC	1	
J1	VEE0B00	CABLE	1	
L1001	ELF18D602	FILTER	1	
L1002,03	EXCELSA35	COIL	2	
L1010	VLQ0655K220	COIL	1	
L1011	VLQ0354	COIL	1	
L1012	VLQ0605	COIL	1	
L1013,14	VLQ0655K220	COIL	2	
P1001	VJP2639	CONNECTOR (MALE)	1	
P1002,03	VJP3324	CONNECTOR (MALE)	2	
P1004	VJP1230T	CONNECTOR (MALE) 3P	1	
⚠ Q1001	PC111LY1	PHOTO	1	
Q1002	2SD1474	TRANSISTOR	1	
R1001	ERU5TEK2R2	F.RESISTOR 5W 2.2	1	
R1003	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1004	ERG3SJ393	M.RESISTOR 3W 39K	1	
R1005-07	ERG1SJ473	M.RESISTOR 1W 47K	3	
R1008	ERDS2FJ221	C.RESISTOR 1/4W 220	1	
R1009,10	ERDS2FJ271	C.RESISTOR 1/4W 270	2	
R1011	ERW1PKR39	W.RESISTOR 1W 0.39	1	
R1012	ERDS2FJ152	C.RESISTOR 1/4W 1.5K	1	
R1013	ERDS2FJ101	C.RESISTOR 1/4W 100	1	
R1014	ERDS2FJ332	C.RESISTOR 1/4W 3.3K	1	
R1015,16	ERDS1TJ395	C.RESISTOR 1/2W 3.9M	2	
R1017	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1020	ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R1021	ERG2SJ681	M.RESISTOR 2W 680	1	